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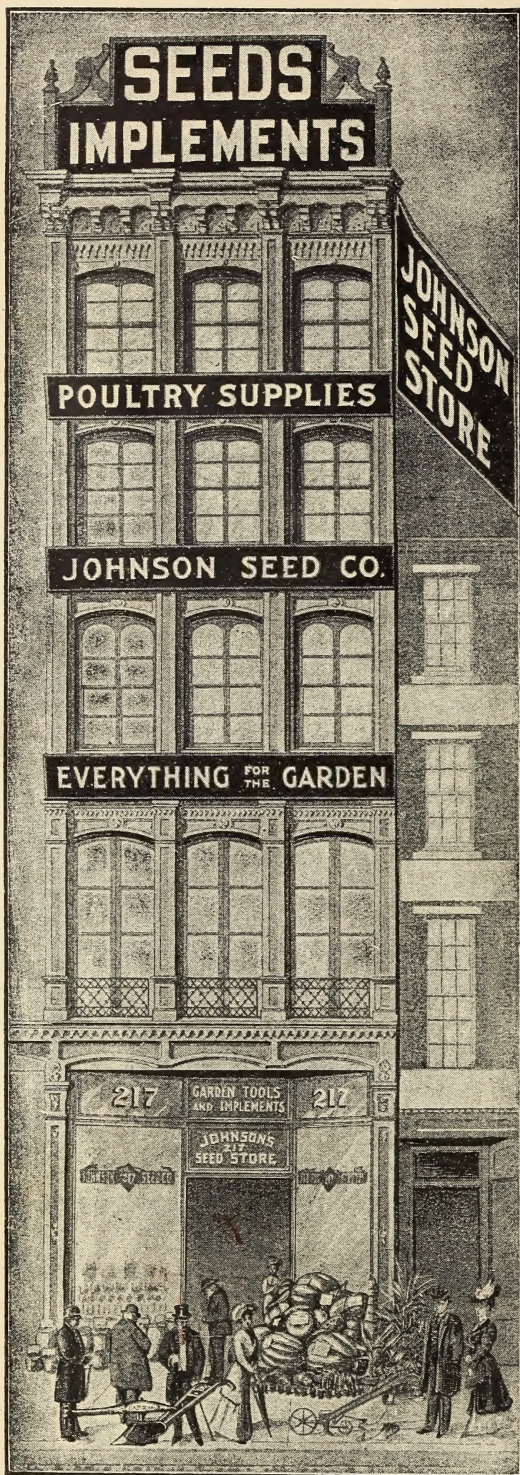
JOHNSON'S Garden & Farm Manual 1915

Highest Attainment in Seed Production



JOHNSON SEED CO

217 MARKET ST. PHILADELPHIA.



OUR RETAIL STORE, 217 MARKET STREET

Located on the principal business street of Philadelphia, and extending through the block to No. 206 Church St. One of the most complete modern seed warehouses in America, fully equipped and up-to-date as to fixtures and other facilities, and with a thorough organization for the prompt and accurate execution of orders. When in town, call and inspect it. We shall be glad to see you at any time.

A FEW "POINTERS"

In this GARDEN AND FARM MANUAL, we have, as is our custom, given strictly:

1. HONEST DESCRIPTIONS. Avoiding exaggeration, we tell simply the exact truth—just what we know from observation—about the varieties described.

2. HONEST ILLUSTRATIONS. Trusting entirely to photographic reproduction, our cuts can, in every particular, be relied upon to show you the exact results of planting "JOHNSON'S TESTED AND PROVEN SEEDS."

3. HONEST PRICES. As low as is consistent with first-class quality, without which no garden can be successful.



OUR CHURCH ST. STORE, No. 206

FREE BULBS to Our Customers

JOHNSON SEED CO.,
Philadelphia, Pa.

Owing to a surplus of Dutch Bulbs on hand, we will include a quantity with all orders amounting to \$1.50 or over, for goods selected from this catalogue.

On Orders amounting to \$1.50 to \$2.00, ½ dozen Assorted Bulbs.

On Orders amounting to 2.00 to 3.00, 1 dozen Assorted Bulbs.

On Orders amounting to 3.00 to 5.00, 25 Assorted Bulbs.

On Orders over \$5.00, 50 Assorted Bulbs,

This offer holds good until the supply is exhausted, and we will not be required to fill orders after stock on hand has been depleted.

If your friends, who did not receive the Manual, desire to participate in the free offer, they can enclose a memorandum similar to stub with their order. They will receive catalogues in the future.

.....
Fill out this stub, tear off and send with your order.

Date, 191

JOHNSON SEED CO.
Philadelphia, Pa.

The amount of cash sent with my order is \$

Include with my order, FREE, Assorted Bulbs.

Your Name,

Street Address or
Box number (if any)

Post Office,

County,


R.F.D. Route (if any) State,

Bushels, Quarts, Pints, Pounds, Ounces, Packets.

NAMES OF SEEDS AND OTHER ARTICLES WANTED

PRICE.
DOLLARS, CENTS

AMOUNT BROUGHT FORWARD.

 All orders for potatoes, plants and other perishable goods are carefully booked on receipt, and filled in rotation as soon as weather permits. If shipped early, they are at buyer's risk.

QUANTITY

NAMES OF BULBS, ROOTS, IMPLEMENTS, POULTRY SUPPLIES, ETC., WANTED.

SPECIAL NOTICE:

We shall esteem it a great favor if you will give us in the spaces below the NAMES AND ADDRESSES of any Market Gardeners or Truck Farmers among your acquaintances. We wish to send them our MANUEL.

NAMES

POST-OFFICE

STATE

Order Sheet for STANDARD Seeds, Bulbs, Roots, Plants, Etc.
To JOHNSON SEED COMPANY

Nos. 217 Market Street and 206 Church Street, PHILADELPHIA, PA.

**DIRECTIONS FOR ORDERING
SEEDS, POSTAGE PAID BY MAIL.**

At prices given in this Manual, we send all **Vegetable Seeds** by the packet, ounce, quarter-pound and pound, and all **Flower Seeds**, by **Mail, postage prepaid**, without any extra expense to the purchaser. If you order Vegetable Seeds by the pound, to be sent by freight or express, at your expense, you are entitled to deduct 10 cents per pound from our prices. On Beans, Sweet Corn and Peas, by the pint and quart, we quote prices both ways, by mail, postage paid, and by freight or express, so that they can be ordered sent either way as desired.

Large buyers by freight should read our special offer on page 3.

In ordering **Flower Seeds**, it is unnecessary to write the names, but merely to put down the quantity wanted and the catalog number.

A Complete Index of this catalog will be found on page 1.

We guarantee all shipments of Seeds, Bulbs, Plants, Implements, Poultry Supplies, etc., shall reach the purchaser safely and in good condition.

Extra Order Sheets and Return Envelopes furnished on application.

HOW TO SEND MONEY CASH SHOULD ACCOMPANY THE ORDER

We will be responsible for money sent to us by **P. O. Order, Express Money Order, Bank Draft, Express, or by Registered Letter.** Every postmaster is required to register your letters.

Amounts of \$1.00 or less may be sent by ordinary letter.

While we take all possible pains to supply only new, genuine and unadulterated seeds of the best quality that can be produced for planting, as experienced seedsmen and growers we recognize the fact that success depends so largely upon conditions of soil and climate, which are beyond human control, and for which reasons no honest seedsmen could assume responsibility for the crop; therefore, in common with other responsible houses, we sell our goods subject to the following disclaimer:

Johnson Seed Company give no warrant, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.—J. S. Co.

FORWARD BY { State on this line whether wanted
by Mail, Express or Freight

YOUR NAME.

POST-OFFICE.

COUNTY.

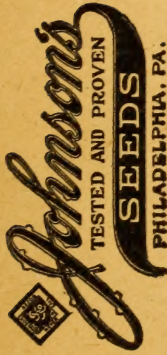
Post-Office Money Order. \$

Express Money Order.

Bank Draft.

Amount Enclosed

AMOUNT CARRIED OVER.



JOHNSON SEED COMPANY,

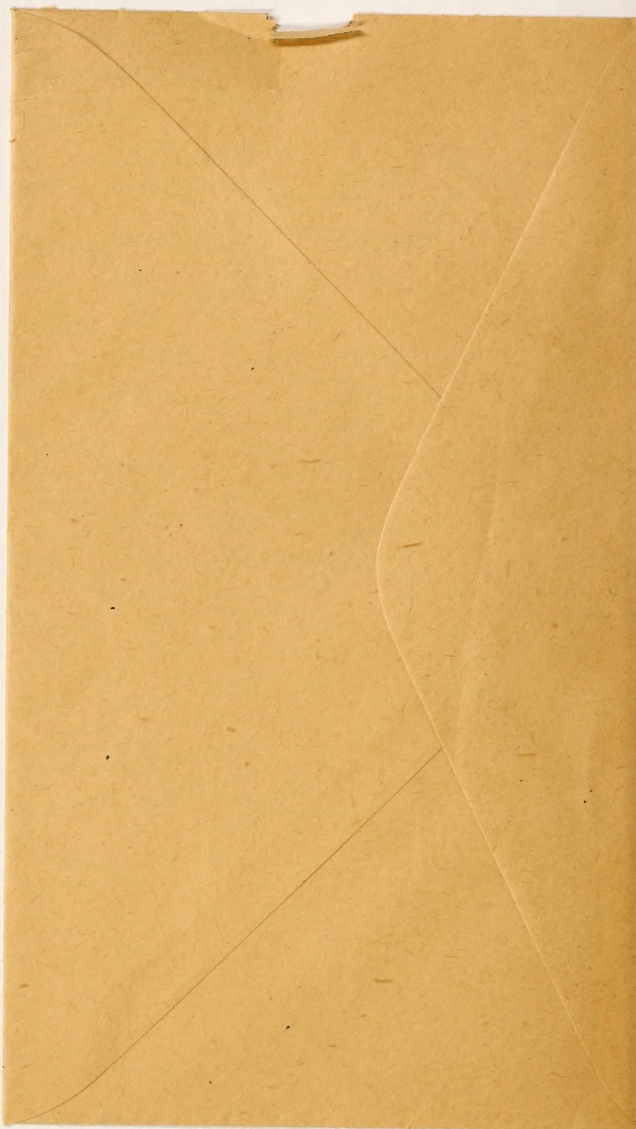
217 Market St.
206 Church St.

Philadelphia, Pa.

From

P. O.

State



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ADDRESS ALL ORDERS, CORRESPONDENCE, ETC., TO

JOHNSON SEED COMPANY, Inc.
217 MARKET STREET PHILADELPHIA, PA.



First floor of Johnson's retail store, 217 Market St., extending through to 206 Church St.

WE DELIVER FREE, BY MAIL, ANYWHERE IN THE UNITED STATES

The U. S. Mail and its thousands of Rural Free Delivery Carriers, over this whole country, bring our Seed Store to every farmer's door, as we deliver, postage paid, all vegetable and flower seeds offered in this catalogue by the packet, ounce, quarter pound.

Parcel Post—many of our customers seem to have the idea that Seeds, Plants and Bulbs can be sent by Parcel Post at small cost; such is not the case, and it is invariably cheaper, safer and quicker to send packages by Express. We will be pleased to send such items as can be mailed by Parcel Post if customers will remit for postage when quantities are wanted by pounds, quarts and pecks.

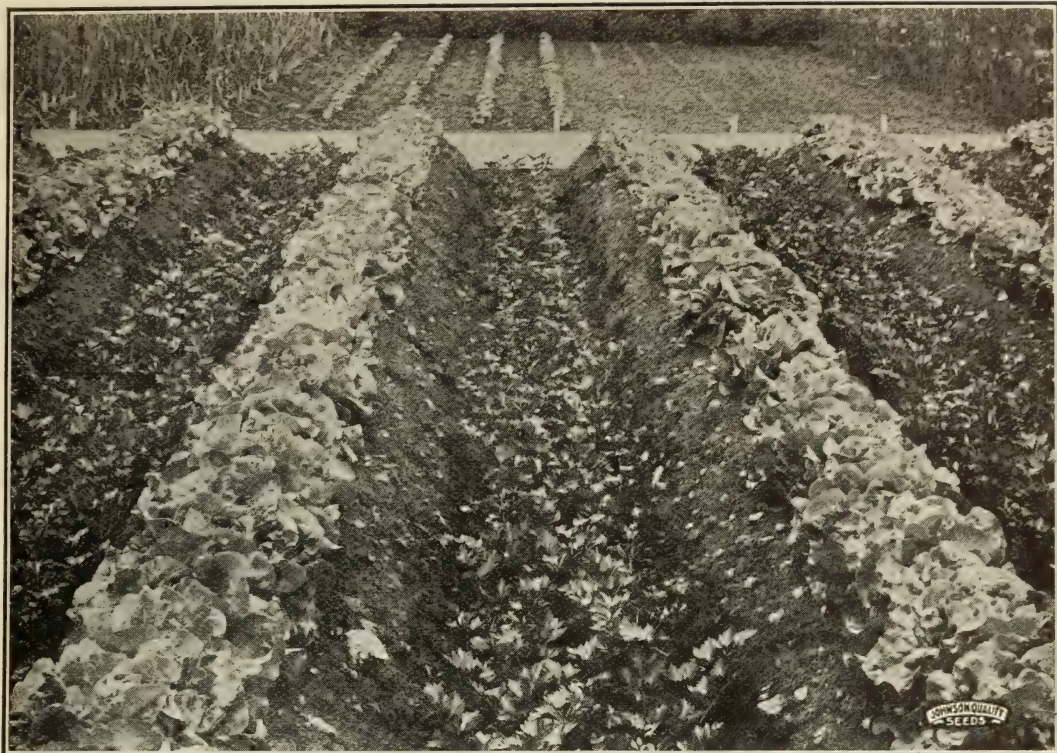
WHEN POSSIBLE USE ORDER SHEET opposite page 1, which can be easily detached from book at perforated line, and which also contains full directions for ordering.

REMIT AMOUNT WITH ORDER.—Money can be sent safely by post-office money order, express money order, bank draft or check. We will hold ourselves responsible for money sent in this way.

CASH.—Notes, silver or postage stamps may also be sent at our risk and expense by registering your letter; registration fee (10 cents) may be deducted from amount sent.

LIBERAL PREMIUMS. —Fifty cents' worth of seeds extra for each \$1.00 sent us for seeds in packets. Thus, any one sending us \$1.00 can select goods in packets to the value of \$1.50; for \$2.00, to the value of \$3.00; for \$3.00, to the value of \$4.50; for \$5.00, to the value of \$7.50, and so on.

Twenty-five cents' worth of seeds extra allowed for each \$1.00 sent us for seeds by the ounce; that is, \$1.00 buys seeds by the ounce to the value of \$1.25; \$2.00 buys seeds by the ounce to the value of \$2.50; \$5.00 buys seeds by the ounce to the value of \$6.25; \$10.00 buys seeds by the ounce to the value of \$12.50. Our packets are large size and liberally filled with seed with full cultural directions printed thereon.



PHOTOGRAPH OF A SECTION OF OUR TRIAL GROUNDS SHOWING CELERY AND LETTUCE IN THE FOREGROUND.

Important Notice TO LARGE BUYERS, AND FOR CLUB ORDERS

**WE WILL PAY THE FREIGHT IN
THE FOLLOWING STATES EAST
OF THE MISSISSIPPI RIVER—**

On all orders, accompanied by the cash, from this price-list amounting to \$15.00 and over, provided that at least half of this amount shall be for small garden seeds, we will prepay the freight charges to all points east of the Mississippi River in States given alongside. By small garden seeds we mean such seeds as Beet, Cabbage, Carrot, Celery, Cucumber, Lettuce, Melon, Onion, Radish, Tomato, etc. The other half of the amount may be in Beans, Peas, Corn, etc.

To all points west of the Mississippi River we will pay the freight on orders amounting to \$25.00 and over, provided that \$20.00 worth of such orders is in small garden seeds.

Potatoes, Grass Seeds, Implements, Incubators, Brooders, Poultry Foods and Supplies are not included in either of these offers.

All orders for less amounts than the above are delivered free on board in this city to Express, Railroad or Steamship Company, but the purchaser must, in all cases, pay the freight except as offered above. We make no charge for bags, boxes or barrels in which the seeds are carefully packed and guarantee their safe arrival in good condition.

HERBERT W. JOHNSON, Pres.

HERBERT W. JOHNSON, Jr., Treas.

JOHNSON SEED CO.

Incorporated

217 MARKET STREET and 206 CHURCH STREET
PHILADELPHIA, PA.

Alabama
Connecticut
Delaware
Dist. of Columbia
Florida
Georgia
Illinois
Indiana
Kentucky
Maine
Maryland
Massachusetts
Michigan
Mississippi
New Hampshire
New Jersey
New York
North Carolina
Ohio
Pennsylvania
Rhode Island
South Carolina
Tennessee
Vermont
Virginia
West Virginia
Wisconsin

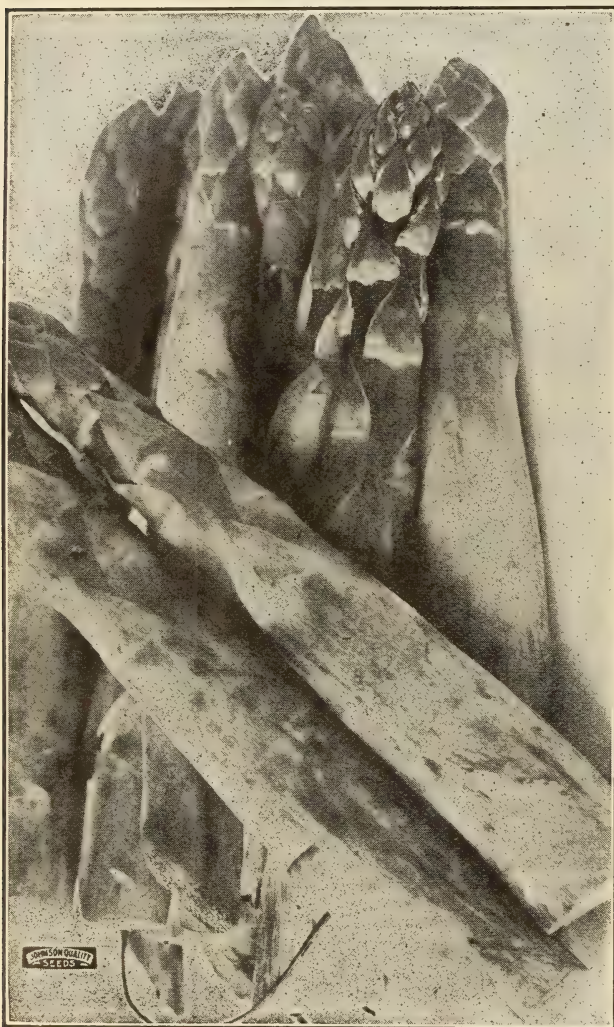
Novelties and Specialties in Vegetables

IN presenting our Garden and Farm Manual for 1915, we wish to express our thanks to the thousands of customers for their generous patronage which we have enjoyed in the past, and to assure them that we will use our best endeavors to merit a continuance of their good-will and orders in the years to come. Many, no doubt, dislike to order but a few packets of seed which may be wanted, but we would like to emphasize the fact that we solicit the orders of all buyers, no matter how small or how large.

While laying particular stress upon the newer varieties, we are very particular with our regular strains of standard old sort varieties, that perhaps have been your favorites and stand-bys for years.



NEW ASPARAGUS Starkey's Mammoth Prolific



Originated and selected by one of Philadelphia's most successful market gardeners, who for a few years past has sent the largest and handsomest Asparagus to this market, realizing very high prices and by far the most profitable variety in Philadelphia markets, where it is becoming well known. Stalks are very large, tender, succulent and distinct bright green in color. Stalks measure 1 to 2 inches in diameter and have been known to weigh $\frac{1}{4}$ lb. each. Mr. Starkey is a high cultivator and is usually one of the first in the market. Seed: pkt. 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.15. Roots, 1 year old, \$1.25 per 100, postpaid; by express, \$1.00 per 100; \$6.50 per 1000; 2 years old, per 100, \$1.25; per 1000, \$7.50.

FULL MEASURE BEAN

In the Full Measure we have another stringless, round, green-podded Bush Bean, the result of a cross by careful hybridization between the famous Yosemite Mammoth Wax and the old-fashioned Refugee, or 1000 to 1, and it inherits the good qualities of both of these famous Beans. The pods are often 5 to $5\frac{1}{2}$ inches long, round, firm and tender, and remain filled for use many days after arriving at their full size. Price, pkt., 10c; pt., 30c, by mail, postpaid; by express or freight, pt., 20c; qt., 40c; peck, \$3.00; bush., \$10.00.

FORDHOOK BUSH LIMA BEAN

The only stiffly erect Bush form of the Potato Lima! Both pods and beans are twice the size of Dreer's and more than half again as large as the Challenger Pole Lima. Measuring 5 to $5\frac{1}{2}$ inches, and yielding 2 to 3 times as many pods. The most popular of all the dwarf Lima Beans. Pkt., 10c; pint, 35c, postpaid; qt., 60c; peck, \$4.00; by freight or express.

STARKEY NEW MAMMOTH PROLIFIC ASPARAGUS—FROM A PHOTOGRAPH.

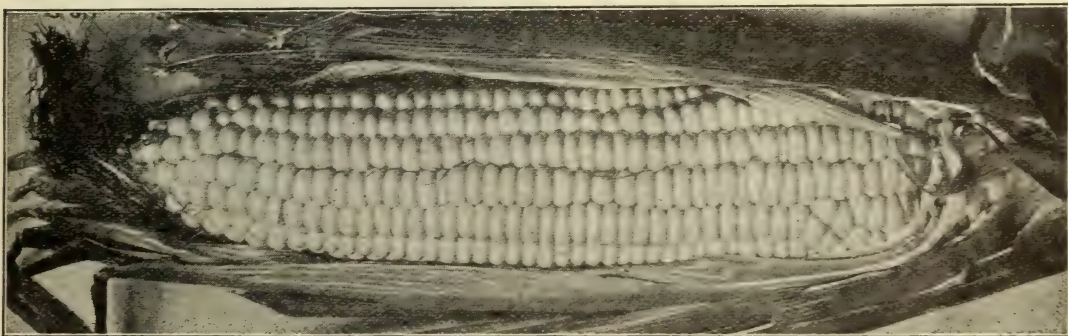


JOHNSON'S THUNDERHEAD CABBAGE

For many years the finest cabbage as well as the best cabbage seed grown in America comes from the eastern end of Long Island. Hundreds of growers there depend entirely on their crops of cabbage, dozens of whom have their own varieties or strains selected by themselves. By keeping in touch with these growers we have secured seed stock of several new and distinct sorts by offering tempting and fabulous prices for our stock seed. We believe in the New Thunderhead we have the very best second early and one of the best main crop cabbages ever sent out, and we want every cabbage grower to give it a trial. Pkt., 10c, oz., 25c; 2 ozs., 50c; ¼ lb., 90c; 1b., \$3.50.

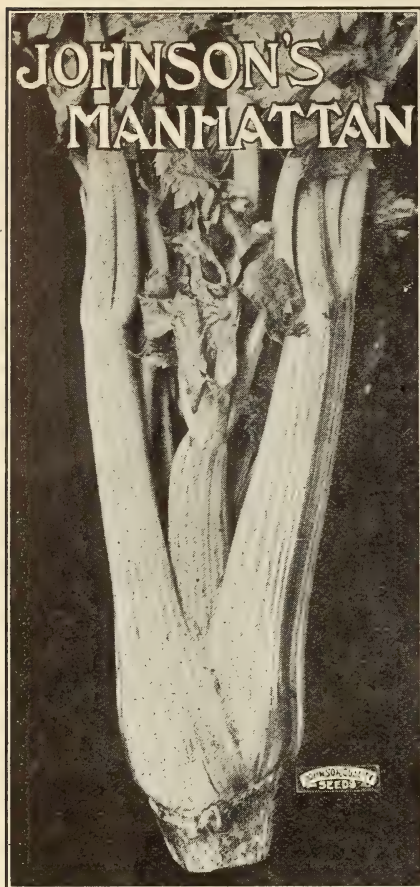
COPENHAGEN MARKET CABBAGE

Copenhagen Market is certainly a valuable new, very early cabbage, producing round, hard heads very early in the season. It is the most popular early cabbage in the markets of Copenhagen, always of excellent quality. The plants are short stemmed. The light green colored leaves are medium in size. It is a vigorous grower and yielder, as are all cabbages from Denmark, and an excellent keeper. Packet, 10c; ounce, 55c; quarter pound, \$1.50; pound, \$5.75.



NEW SWEET CORN==QUINCY MARKET

A new early sweet corn, seed of which is now offered. On our trial grounds there was no other second early variety that gives us equal satisfaction. Excellent for the family garden as well as for a market variety. In the Quincy and Boston markets it is often sold as Crosby Early, which it somewhat resembles, coming in about the same time, and it holds the same rank among the early varieties for sweetness as Potter's Evergreen does among the later sorts. It comes in just after the Cory and with the Crosby, but is larger than either. We recommend it as the best of all the early sorts. Price, pkt., 10c; pint, 25c; qt., 40c; postpaid. By express, qt., 25c; peck, \$1.25; bush., \$4.50.



New Long-Keeping Celery JOHNSON'S MANHATTAN

This is no doubt the finest type of late Winter keeping celery ever offered, even surpassing in this respect our famous Winter Queen Celery. Our attention was first called to it in New York markets four years ago, and upon investigation we learned the name of the grower on Long Island and secured from him, at high cost, a few ounces of seed, from which our present supply is grown. It is the heaviest green celery, full hearted, very solid and crisp. Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

NEW COLUMBIA CELERY

A great acquisition in earliness, showy form and superior quality. Market gardeners in all sections where grown say it outsells all others.

The plant is of medium height, but very stocky and heavy. Stalks are thick, resembling in shape those of Giant Pascal. The color has in it more of the rich yellow tint of Paris Golden Self-Blanching. The foliage is of a distinctly light shade of green, with a tinge of yellow. In season it follows in close succession Golden Self-Blanching.

Pkt., 20c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

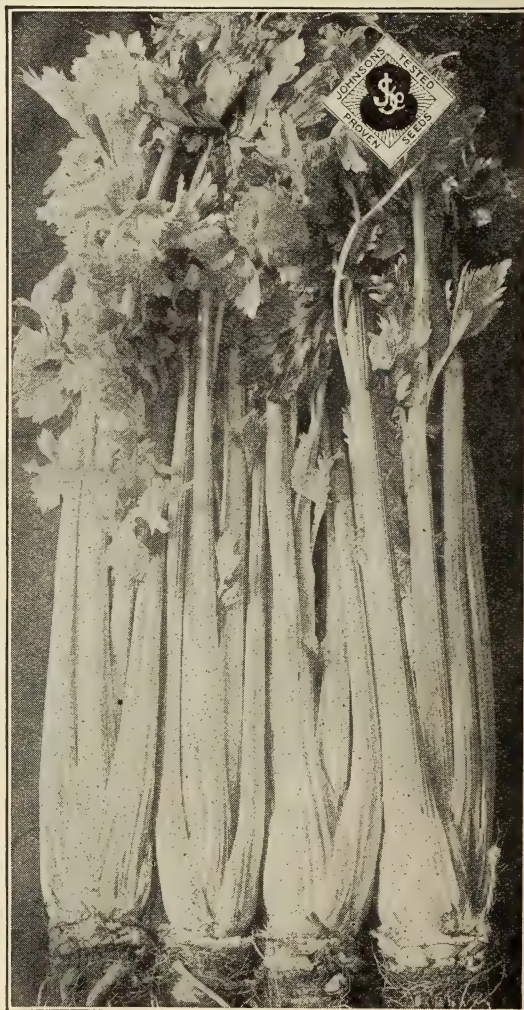
Paris Golden Self-Blanching Celery

This most valuable of all celeries, for either the amateur or market gardener, is grown and selected for us by the originator in France as Johnson's XXX Strain. It is remarkably early, entirely self-blanching, with large, beautiful golden yellow heart, very crisp, solid and nutty. A fact that speaks for itself is that we received orders for more of the seed last season than we could grow, from some of the largest celery growers in the United States, men who make celery practically their only crop, and who, therefore, can afford to take no chances on their most important crop. Crop of seed very short.

Price, pkt., 25c.; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

American Grown Golden Self-Blanching. Grown by ourselves here from French seed. Pkt., 15c.; oz., 65c.; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

Silver Self-Blanching. Similar in habit to Golden Self-Blanching, but like White Plume in color, very early, full solid hearts, fine flavor, stalks pure white. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.



NEW COLUMBIA CELERY—BEST OF KEEPERS



A SECTION OF PATCH, PERKINS' EXTRA EARLY MARKET CORN

Perkins' Extra Early Market-- THE EARLIEST TABLE CORN

Selected by a New Jersey market grower, who, for a few years past, has completely controlled the early markets here on account of its wonderful earliness and hardiness. It can be planted earlier than any of the sugar varieties and will give good ears two to three weeks ahead of the earliest of them. Ears medium size, grain smooth, creamy white color. Although not legitimately a sugar corn, it is very tender, sweet and juicy in the boiling stage. Pkt., 10c.; pt., 30c., by mail, postpaid; by express or freight, qt., 35c.; 2 qts., 50c.; peck, \$1.25; bush., \$4.00.



MORSE'S EARLY GOLDEN CREAM SWEET CORN

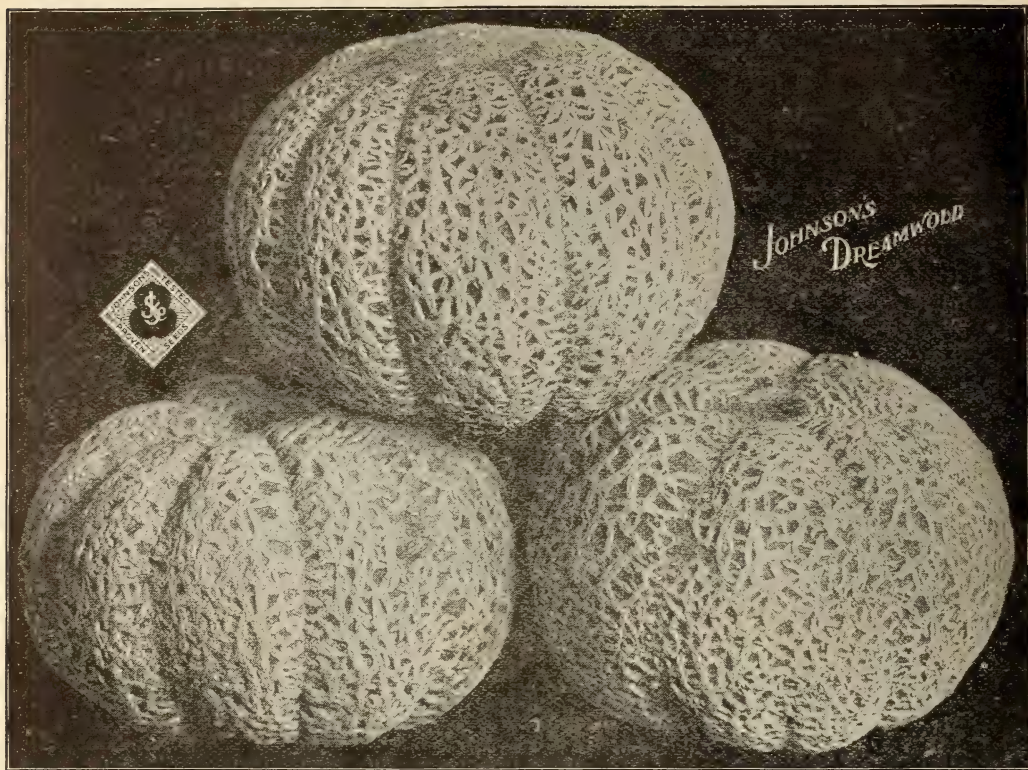
Morse's Golden Cream Sweet Corn

A valuable new corn being a cross of Golden Bantam and Country Gentleman, made by Thomas Gould, of California, a few years ago, and to whom Mr. Morse paid \$100.00 for one dozen ears.

Morse's Golden Cream is a very early, yellow Country Gentleman Sweet Corn. The kernels are long and pointed, the cob is very slender and the whole ear about as long as Golden Bantam. The flavor is remarkable—in fact, very much the same as Golden Bantam. The habit of growth is rather dwarf and the stalks bear three to four ears. The stalks are brownish red and the silk is also brown at the tips.

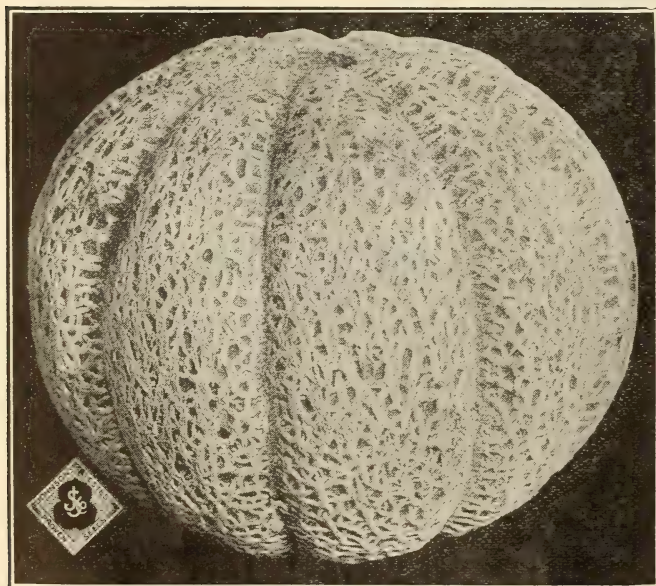
The cut herewith indicates that the corn is quite identical in appearance with Country Gentleman. It is, however, among our earliest varieties and the color at eating stage is a rich cream, cooking to a light golden yellow.

Price, pkt., 10c.; pt., 30c.; qt., 45c.; postpaid. By Freight, pt., 15c.; qt. 30c., 4 qts., 80c.; Bush., \$4.50.



Johnson's Dreamwold—The Most Profitable Muskmelon

Of the type of our Improved Shippers' Delight, but more densely netted, free from any tendency to knob at the blossom end and ripens two weeks earlier. It is remarkably early, and the quality of its thick, green flesh is simply perfection. Per pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



PHOTOGRAPH OF AN AVERAGE SPECIMEN NEW "FORDHOOK" MUSKMELON.

"Fordhook" MUSKMELON

A RED-FLESHED
JENNY LIND

Better Shipper than Rocky Ford

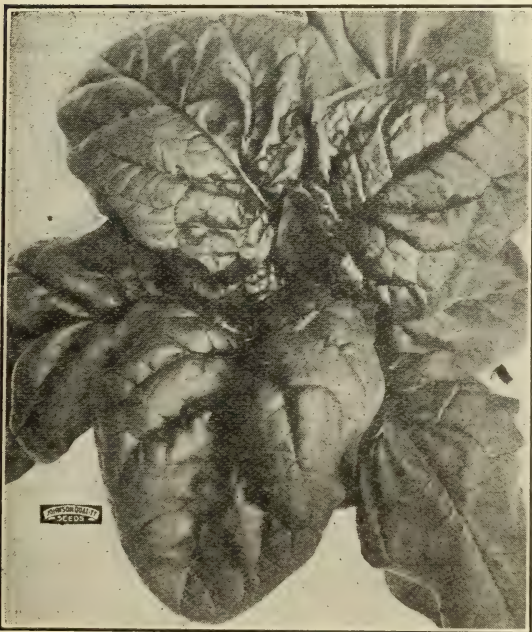
This grand new melon is a cross between "Emerald Gem" and the "Improved Jenny Lind," resembling the latter in form and fully as delicious as the former. Roughly netted, the skin showing between the netting being emerald green, while the very solid thick flesh is of deep salmon color and surpassingly sweet to the very rind. Fordhook is most vigorous in growth, very early and extremely prolific, each vine setting from five to nine melons. The melons are remarkably uniform. The rind, although thin, is usually firm, and the flesh is so solid that the fruits carry well to market. Per pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



Photograph of a section of field of Johnson's Philadelphia Yellow Globe Danvers Onion, which yielded at the rate of over 1,000 bushels to the acre, grown from our Pedigree Seed.

Do not confound this variety with the ordinary Yellow Globe Danvers of other growers, being larger in size, more productive and the best keeper of all American yellow onions. For specimens of single onions see Page 37. Seed of our own growing. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50; 5 lbs. for \$7.00, by express or freight.

New Spinach, Henderson's Long Seasons



HENDERSON'S LONG SEASON'S SPINACH FROM SPRING PLANTING

The best for Spring sowing. Keeps in firm, fresh condition, never wilting in the hottest weather; spreading flatly on the ground. Leaves much crumpled and blistered, as shown in illustration. Pkt., 5c; oz., 10c; lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; bush., \$6.50.

BEAUTIFUL GLOBE ONIONS

HARRY VANDERMYDE, 328 W. 103rd St., Chicago, Ill., writes:—"The Onion Seed I bought from you gave me a fine crop of beautiful yellow Globe Onions. I was well pleased with it; and also the other seeds I bought from you were true to name and gave the very best results."

A CUSTOMER OF 20 YEARS

W. H. McDONALD, Allport, Pa., writes:—"Will just say that it has been over twenty years since I commenced to use seeds of your firm and have not missed one year, so you see I must have been well satisfied."

FAIR AND HONORABLE DEALING

JOHN D. SCHOFIELD, Pomona, Atlantic Co., New Jersey, writes:—"You can depend upon receiving any future orders, as your seeds are more than satisfactory in every respect." Also I like your fair and honorable business dealings."

NO SEED EQUAL TO YOURS

W. F. WHEELER, Austin, Tex., writes:—"I have been using your seed for 5 years and have never planted any that did not germinate fully and true to name, and while there are other seed houses, there is no seed on the market equal to yours."

The situation abroad is such as to make it impossible to warrant a certainty of some seeds listed herewith as to price and delivery but we hope to have sufficient seed to fill all of our orders.



JOHNSON'S New Long-Keeping PRIZETAKER ONION

Since its introduction in 1888, the old Prizetaker Onion has grown in popularity, the only objection being its keeping qualities, which have not been up to the standard of many of the American varieties. For several years past, however, a prominent California onion grower has been making selections and breeding the old Prizetaker, until he has obtained a strain which, in keeping quality, is fully equal to the Danvers and the Southport Globes. The strain is by far the largest in size and handsomest in shape of all the Yellow Globe Onions. We own and control the entire crop of seed and bulbs of the originator. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00, postpaid; 5 lbs. and over, \$1.75 per lb. by express.

JOHNSON'S NEW EARLY YELLOW GLOBE ONION

The earliest of the Yellow Globe varieties. Skin is bright, glossy orange-yellow; flesh white and fine grained. The bulbs are remarkably uniform in size and shape, and almost as large as Southport Yellow Globe, although 2 weeks earlier; being firm and hard, possess fine keeping and shipping qualities. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., 1.50 postpaid.

JOHNSON'S RUBY GIANT

The Largest Mild Red Pepper

As a result of crossing Chinese Giant and Ruby King, we have a handsome new variety which combines the enormous size of the Chinese Giant and the graceful, elongated form of Ruby King, being longer than the former variety, larger round than the latter and much larger than either.

In color it is a bright clear red, and in flavor mild, delicious and sweet. The plant is vigorous in growth, stocky, well branched and prolific. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00 postpaid.



PHOTOGRAPH OF AN AVERAGE SPECIMEN JOHNSON'S RUBY GIANT PEPPER.

POTLATCH OR BIG DINNER PEA

The New Pea That All Progressive Gardeners Should Try

Potlatch is Chenook Indian name for Big Dinner; hence the name Potlatch. The vines are vigorous, growing 20 to 24 inches high, with unusually dark green foliage, which can be distinguished from that of other peas. The long pods are a rich dark green in color, often measuring 6 to 7 inches, with 9 to 10 enormous peas in a pod. The growth of vine is sturdy and pods are borne in pairs; it is a wonder in productiveness, and the way the peas shell out is remarkable. Potlatch matures early, being ready for table use in 62 days on our trial grounds; no variety known will produce more pods, shell better, or contain more tender and delicious peas to the pod. Seed green, wrinkled and very large in size.

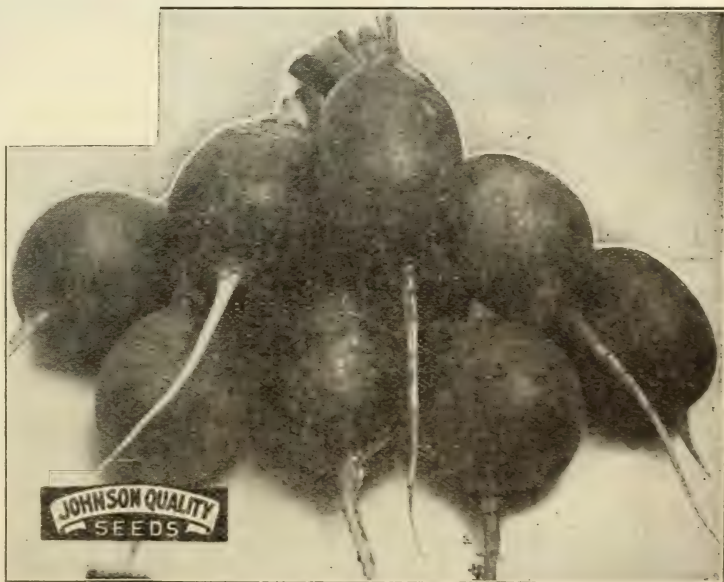
Pkt., 1 c.; pint, 50c.; qt., 75c., postpaid. By express or freight, not prepaid, qt., 50c.; 4 qts., \$1.25; bush., \$7.50.



AVERAGE PODS OF THE NEW
POTLATCH PEA.

JOHNSON'S EARLIEST RADISH

Our superior Philadelphia market garden strain, being the earliest and best in color, maturing in about 20 days. For forcing in hotbeds, greenhouses or cold frames or for sowing outside early in the Spring. No other variety can equal it; the quality is fine, being mild, crisp and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c., lb., \$1.00.



PHOTOGRAPH OF JOHNSON'S EARLIEST RADISH.



WASHING AND GETTING READY FOR MARKET JERSEY SANDWICH RADISHES.

JERSEY SANDWICH, the Most Profitable Summer Radish

This new Radish originated in Southern New Jersey, and has been kept in the hands of a few South Jersey growers for shipping to Philadelphia and New York markets, and the seed was offered for the first time last spring. Its shape is shown in photo above, pure white in color and of fine quality; either as an early or summer radish it sells like hot cakes in the market. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

O.K. A Few Letters of Approval *O.K.*

FROM DISTRICT OF COLUMBIA

J. EDGAR MATTINGLY, Box No. 35, R. F. D. 5, Congress Heights, D. C., writes:—"I don't think the Green's Imp. Earliana can be beaten anywhere."

FROM CONNECTICUT

EDWIN J. CHURCH, 109 Prospect Ave., Hartford, Conn., writes:—"I am well satisfied with all seeds I had from you, especially Green's Earliana Tomato. Have had good reports from them wherever plants have been sold."

FROM UTAH

JOS. H. PARKIN, Woods Cross, Utah, writes:—"The Utah State Fair Ass'n in October, 1912, gave me the only first prize for yellow onions. They were your Long-Keeping Prizetaker."

FROM NORTH CAROLINA

J. ALLEN HOPPER, Leakesville, N. C., R. F. D. 2, writes:—"I make a specialty of early tomatoes and always have the first on our market, and your Earlianas are the earliest and best I ever saw."

FROM UTAH

DAN COVINGTON, 323 N. 8th, W. Provo, Utah, writes:—"Please accept my compliments on your seeds. We have bought seeds from several different firms, but yours suit me better than any others. You do not exaggerate in describing your vegetables, and we can depend on what you say."

FROM CONNECTICUT

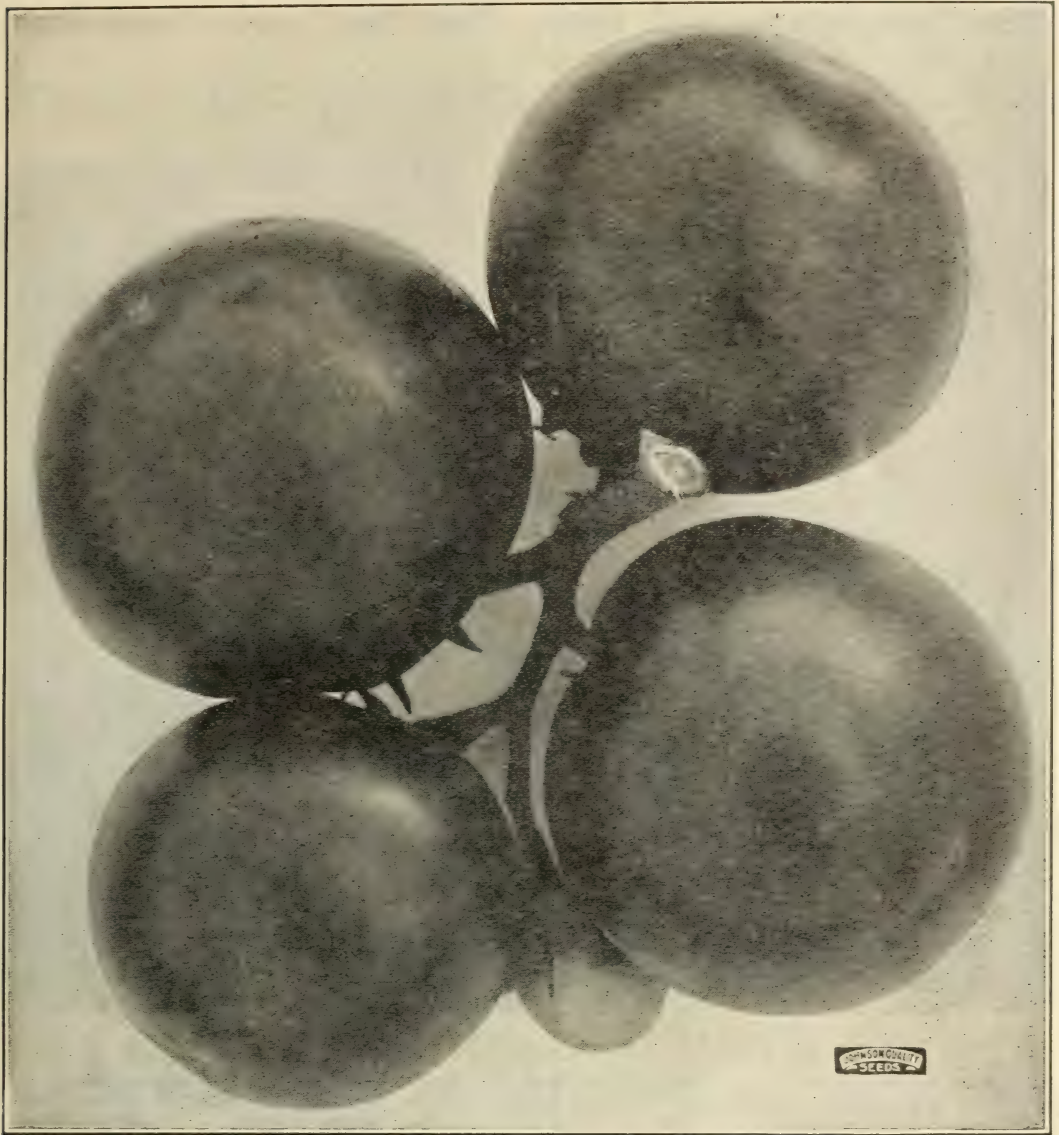
JOHN WILLIAM POTTS, Jewett City, Conn., Box 14B, writes:—"I wish to state that your Paris Golden Celery which I got from you last Spring proved all that was claimed for it and proved the best celery raised in this part of the State and all your seeds were the very best."

FROM PENNSYLVANIA

REV. GEORGE N. FROUNFELTER, Wallacetown, Pa., writes:—"I used your garden seeds last year and wish to say that there are no better in the world so far as I am able to judge."

FROM MARYLAND

L. J. BEAUCHAMP, R. 2, Westover, Md., writes:—"The Jack Rose is a fine early tomato, and they are so large and smooth."



PHOTOGRAPH OF A CLUSTER OF GREEN'S NEW AND IMPROVED EARLIANA

GREEN'S IMPROVED EARLIANA TOMATO

This new and improved strain of our famous Earliana Tomato was originated and selected by the famous tomato grower, Mr. E. G. Green, of Gloucester County, New Jersey, was offered for sale in a limited way among our customers last season, and we refer to the following reports taken from hundreds received. We have a limited supply of seed grown from choice tomatoes selected by Mr. Green, which we offer in 1915 at the following prices: Per pkt., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

What a Few of Our Customers Say of Green's Improved Earliana

G. E. THIVEATT, Greenfield, Missouri, writes:—"While records are constantly being broken, I think it will be some time before Green's Improved Earliana is improved upon when all its points of superiority are considered. Its extreme earliness is a winner, but better than that, its tender meat and fine flavor, with vines carrying more fruit than any we ever planted, make a combination that can't be beat."

JOHN P. DAVIS, Buckatunna, Miss., writes:—"Green's Earliana Tomatoes are splendid. I gathered first picking on May 5th and every day until September 15th. They are larger than I expected, and most prolific bearers; I think they are the firmest and best keeping variety I ever saw. Next season I shall plant tomatoes for shipment and I want the 'Green's Improved Earliana.'"

MILFORD TUTTLE, Bountiful, Utah, writes:—"Please send your very best stock of seed. I would rather have less in quantity and more in quality. I raised one thousand dollars' worth of the Green's Improved Earliana Tomatoes on one acre and a quarter of land last year. They are the most profitable tomatoes I ever raised."

T. O. MILLER, Frankfort, Ohio, writes:—"I planted less than half an acre of Green's Improved Strain and Green's Earliana Tomatoes and sold over \$300 worth of Tomatoes last year. Green's is the finest Early Tomato I ever saw and the best money maker. I want to put out 5 acres this year."

MRS. C. L. MOAD, 708 S. Tacoma Ave., Tacoma, Wash., writes:—"Have raised Green's Earliana since their first introduction, and I have never seen their equal."

The Best Lawns and Grass Plots are made from Seed

A good, green, velvety lawn or grass plot is the richest embellishment that a home can possess. Once seeded with the best lawn grass seed that can be mixed ("Johnson Fancy Evergreen"), it is permanent for years to come, although an occasional reseeding is advisable, as it keeps the lawn in the best condition.



Many of the Most Beautiful Lawns in America

have been made in from 4 to 6 weeks from Johnson's Fancy Evergreen Lawn Grass Seed, which has given it a national reputation. We have made the formation and renovation of lawns a study for many years, and this grass formula or mixture is the result. Johnson's Fancy Evergreen is unquestionably the best Lawn Grass Seed that exists for general use. Thousands of bushels are now sold annually; it weighs 20 lbs. per bushel, while most other mixtures on the market average about 14 lbs. A trial will convince you of its merits.

Prices: 20 cents per quart (qt., postpaid, 25c); 2 quarts for 35 cents; 4 quarts for 60 cents; \$1.00 per peck; per bushel of 20 pounds, \$4.00; 5-bushel lots at \$3.75 per bushel; special prices quoted on larger quantities. Do not hesitate to write to us for prices, stating quantities wanted.

JOHNSON'S SUPERIOR GRASS SEED MIXTURES

The following are a few of our most prominent mixtures of formulas of grass seed, all extensively used, every one highly recommended. See page

Sow 3 to 4 bushels per acre for new lawns; 2 to 2½ bushels in reseeding old lawns.

Johnson's Standard Evergreen Lawn Grass.
A well-balanced combination of fine grasses. Very popular. Qt., 15c (qt., postpaid, 20c); peck, 75c; bush., \$3.00.

Johnson's Shadow Lawn Grass Seed. Prepared especially for shady places. Qt., 25c (qt., postpaid, 30c); peck, \$1.25; bush., \$4.50.

Johnson's Lawn-Restoring Grass Seed. Grows quickly on hard, burnt or worn-out places. Qt., 20c; peck, \$1.00; bush., \$3.75

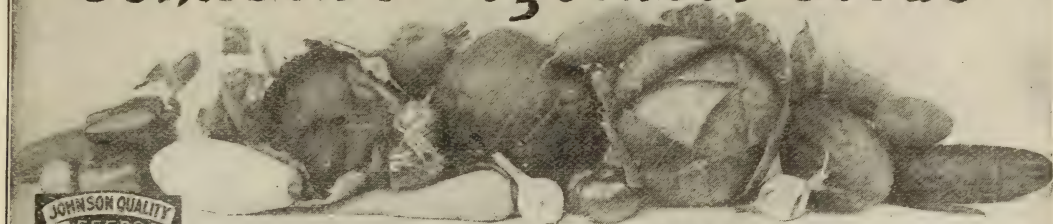
Johnson's Seashore Formula Grass Seed Mixture. Thrives best in salt air regions. Qt., 20c; peck, \$1.25; bush., \$4.75.

Johnson's Fair Green Mixture for Golf Links. Excellent for the purpose. Sow 4 bushels to the acre. Price, peck, 75c; bush. (15 lbs.), \$2.50; 10 bush. and over, \$2.25 per bush.

Johnson's Putting-Green Mixture for Golf Links. Produces a thick, tough, beautiful green turf. Sow 3½ bushels to the acre. Peck, \$1.50; bush. (20 lbs.), \$4.75.

Special mixtures for permanent pasture and mowing, see page 58.

Johnson's Vegetable Seeds



SPECIALTIES AND STANDARDS

The Best Seeds That Grow and a List of Varieties It Pays to Grow

Although the past season has not been as favorable for the yield of some seed crops as we would have liked, we are greatly pleased with the fine quality of the seed stocks we have harvested, but some varieties are in much shorter supply than usual. This is particularly true of Beans. On some varieties of these, prices have necessarily advanced, while on some other vegetables prices are lower. While the quantity of some stocks is limited, the quality was never better, and we are thoroughly prepared to fill every order with seeds of the highest grade and of strong vitality. The situation abroad is such as to make it impossible to warrant a certainty of some seeds listed herewith, as to price and delivery, but we hope to have sufficient seed to fill all of our orders.

Asparagus

ing 100 roots, will supply an ordinary family. One ounce of seed will sow 40 feet of row; 7,260 roots will plant an acre.

NEW ASPARAGUS—Starkey's Mammoth Prolific. For description, see Novelties, page 4.

EARLY FRENCH GIANT, OR ARGENTEUIL

The earliest and most prolific asparagus, being a great improvement on the popular Palmetto, which also came originally from France. The seed and roots were imported from Mr. Louis Lérault de Argenteuil, of France, and we have improved the original strain season by season, so that it is much superior to the first importation, thoroughly acclimated and free from rust. It is not only ten days earlier than Palmetto, but of larger size and superior in flavor and color.

Genuine French Grown Seed, pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c; lb., 70c. **Prices of Seed, American Grown:** Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. **Good, Strong One-year-old Roots**, 50 for 60c; 100 for \$1.00, by mail, postage paid; by express, 75c per 100; \$5.50 per 1,000. **Two-year-old Roots**, \$1.00 per 100; \$6.50 per 1,000, by freight or express (500 roots at 1,000 rate).

DONALD'S ELMIRA ASPARAGUS

The delicate green color is notably different from others. Stalks are tender and succulent. Owing to the large size, it requires much less labor in cutting and bunching, thus lessening the expense of marketing. **Price of Seed:** Pkt., 5c; oz., 10c.; $\frac{1}{4}$ lb., 20c; lb., 60c. **Strong Roots**, 1 year old, 90c per 100, postpaid. Extra large, 2 years old, 75c per 100; \$5.75 per 1,000, by express.

BARR'S MAMMOTH

Sells at top-notch prices on account of its large size and fine appearance. **Seed:** Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c. **Good, Strong Roots**, 1 year old, 85c per 100, post-

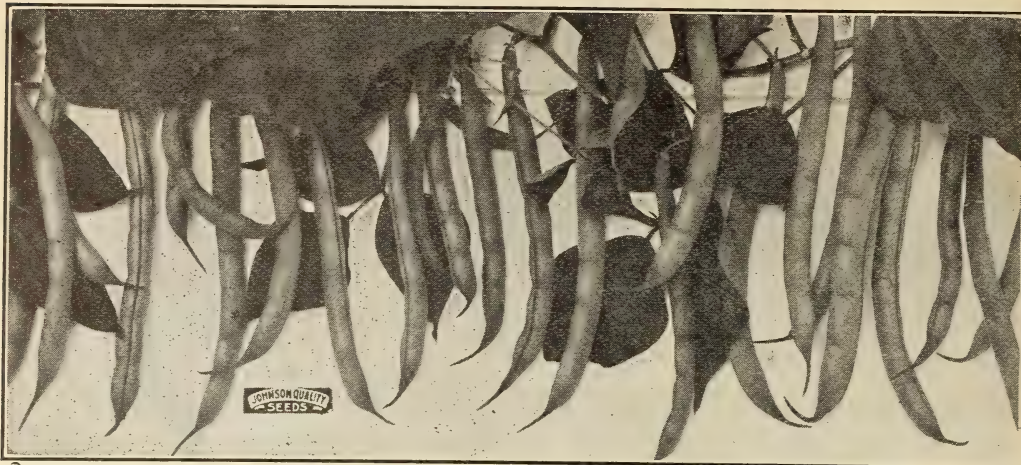
paid; by express, extra size, 2 years old, 50c per 100; \$5.00 per 1,000 (500 roots at 1,000 rate).

CONOVER'S COLOSSAL AND PALMETTO ASPARAGUS

Both extensively grown. Seed and Roots same price as Barr's Mammoth.



TWO-YEAR-OLD ASPARAGUS ROOT.



Johnson's Giant Stringless Green Pod Valentine Bean

This valuable new variety will be found earlier, more prolific and with pods one-third larger than the old Valentine. A great improvement. Pkt., 10c; pint, 35c; qt., 60c., by mail, postpaid; qt., 50c; peck, \$2.50; bush., \$8.50, by express or freight.

BEANS—Green Podded—Dwarf or Bush

One quart will plant 100 feet or drill, two bushels will plant an acre in drills

Large, full-sized packets of any variety of Beans, 10c each.
Half pecks and half bushels supplied at peck and bushel rates.

Refugee, or Thousand to One. Medium early, hardy, productive
New Extra Early Refugee. Two weeks earlier than the old
Refugee
Improved Round Pod Red Speckled Valentine. Finest strain..
Full Measure (Novelty). See page 4. A valuable new string-
less round pod bean.....
Dwarf Horticultural. Fine either green or shelled; very pro-
ductive
Stringless Green Pod. Extra early and of very fine quality....
Black Valentine. Long, round, solid pod, black seed, fine shipper
Longfellow. Long, straight, round, solid, green pods, very early
Hodson Green Pod. Superior new sort. Wonderfully product-
ive

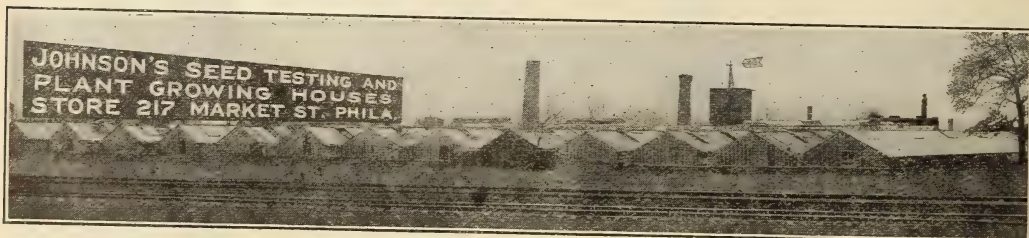
By Mail, Postpaid		By Express or Freight		
Pint	Qt.	Qt.	Peck	Bush.
\$0 25	40	\$0 35	\$2 50	\$8 50
25	40	35	2 25	8 00
25	40	35	2 25	8 00
30	45	40	3 00	10 00
25	45	40	2 50	10 00
25	45	40	2 25	8 00
25	40	35	3 00	10 00
25	45	40	2 75	9 00
25	45	45	2 25	8 00

BEANS—Wax Podded—Dwarf or Bush

New Michigan White Wax. A new white seeded golden wax.
Very hardy, vigorous and productive. Attractive in appear-
ance and fine in quality with the added advantage of being
white seeded.....
Currie's Rust-Proof Black Wax. Very early, flat pods. Good
shipper and seller; most showy for market; fair quality..
New Round Pod Kidney Wax. Superior. One of the best
round-podded wax beans in cultivation; entirely stringless
Golden Wax. The well-known old sort; popular for market...
Grennell's Improved Rust-Proof Golden Wax. Very superior...
Wardwell's Kidney Wax. Very popular, long, broad, flat pods
Davis Kidney Wax. A white-seeded bean. Long, oval pods..
Dwarf German Black Wax, or Butter. Well-known old sort..
New Prolific German, or Cylinder Wax. Very early and prolific
Keeney's Pencil Pod Black Wax. Round, full and stringless..

35	70	60	3 50	Write for Prices on Bushel Quantities
40	70	60	3 50	
35	75	65	3 50	
35	65	60	3 50	
40	75	60	3 50	
35	70	60	3 50	
35	75	60	3 35	
35	65	60	3 00	
35	60	60	3 50	
40	75	60	3 50	

JOHNSON'S SEED TESTING AND
PLANT GROWING HOUSES
STORE 217 MARKET ST. PHILA.



Fordhook**Bush Lima**

The only stiffly erect form of the Potato Lima. Pkt., 10c; pint, 35c, postpaid; by freight or express, pint, 35c; qt., 60; 4 qts., \$2.25; peck, \$4.00; bushel, \$14.00.

THE BURPEE IMPROVED BUSH LIMA

A great improvement over the old sort. Pkt., 10c; pint, 40c, postpaid; qt., 60c; 4 qts., \$2.00; peck, \$3.50; bushel, \$12.00, by express or freight.

**PLANT OF THE NEW FORDHOOK BUSH LIMA**

Pkt., 10c; pint, 45c, postpaid; qt., 75c; peck \$4.00; bushel, \$14.00, freight or express.

BEANS—Dwarf or Bush Lima

We supply packets of all Beans at 10c each, postpaid.

Half pecks and half bushels supplied at peck and bushel rates.

Dreer's, or Kumerle Bush Lima. Possesses all the good qualities and fine flavor of the Dreer's Pole Lima, producing 50 to 60 pods on a bush.....

Burpee's Bush Lima. The most popular dwarf Lima, large, flat beans, growing vigorously to a height of about 20 inches.....

New Wonder Bush Lima. Earlier, dwarfer, more prolific and hardier than the old Burpee's Bush Lima.....

Henderson's Bush Lima. Small white beans, very productive..

BEANS—White Shelling Varieties

Day's Leafless Medium. Vine stands up well, grows abundant foliage, and previous to ripening, the leaves fall off, so that pod is exposed to the sun and ripens evenly. Matures in eighty days.....

Burlingame Mediums. The leading field bean in New York....

White Navy, or Pea Bean. A productive standard sort.....

Royal Dwarf, or White Kidney. Very productive, fine for baking.....

White Marrowfat. Well known; extensively grown for winter.

BEANS—Pole and Running

Early Golden Cluster Wax. Early, large, flat, fleshy yellow pods.....

Lazy Wife's. Green Podded Snap Short Pole Bean, produced in large clusters; pods broad, thick, fleshy and stringless....

White Crease Back, or Fat Horse. One of the earliest Round Pod.....

Improved Kentucky Wonder, or Old Homestead. Very long, round, straight pods; early, entirely stringless, very productive.....

Southern Prolific. Continuous bearer, giving snap shorts in 80 days.....

By Mail, postpaid		By Express or Freight		
Pint	Qt.	Qt.	Peck	Bush.
\$0 40	\$0 25	\$0 65	\$4 00	\$15 00
30	60	50	4 00	12 00
50	85	75	3 50	12 00
25	50	40	2 50	8 00
20	35	25	2 00	6 50
20	35	25	1 25	6 00
20	35	25	1 75	6 50
20	35	25	2 00	6 50
20	35	25	1 50	6 00
35	60	50	2 50	8 50
35	60	50	2 25	8 00
25	45	30	1 75	6 50
30	50	40	2 50	9 00
30	50	35	1 75	6 00

42 Years' Experience back of Johnson Quality Seeds.
42 Years of testing and proving the best led to
the selection of the **Standard Varieties** offered in this Catalogue.

THE BEST Pole Lima Beans

NEW JERSEY GROWN SEED. MUCH
SUPERIOR TO CALIFORNIA GROWN
FORD'S MAMMOTH PODDED POLE
LIMA BEAN

This Lima Bean is the result of over twenty years' selection by the late Jas. Ford, who was one of the oldest market gardeners around Philadelphia. The pods grow to an average length of 8 inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Ford's Mammoth Podded is, without exception, the largest podded, finest flavored and most productive of all Pole Lima Beans. Pkt., 10c; pt., 30c; qt., 55c, postpaid; by freight or express, pt., 20c; qt., 40c; 2 qts., 75c; peck, \$3.00; bush., \$10.00.

SHOTWELL'S IMPROVED THICK POLE LIMA BEAN

Originated by one of the best and most experienced growers of Northern New Jersey. It is of the thick or Potato Lima class, but will be found a decided improvement on the Dreer's Improved Pole Lima or any other bean of its class in earliness, productiveness and fine quality. All claims made for it have been fully substantiated by hundreds of our customers who tried it in past seasons, and we regret we have not room here to publish the many strong recommendations received from them. Pkt., 10c; pt., 30c; qt., 55c, postpaid; by freight or express, qt., 40c; peck, \$2.50; bush., \$8.00.

Henderson's Early Leviathan Pole Lima

One week earlier than any other Pole Lima.
Immense size. Wonderfully productive.

This new variety is at least one week earlier than any large Pole Lima yet offered, and two weeks earlier than most varieties. Earliness often means the sacrifice of other valuable features, but in this variety the good features of the later sorts are retained. It is wonderfully productive, the pods and beans immense and the flavor delicious. Price: Pkt., 10c; pt., 30c; qt., 55c, postpaid; by express, qt., 40c; peck, \$3.00; bush., \$10.00.

Carpintera Green Seeded Pole Lima

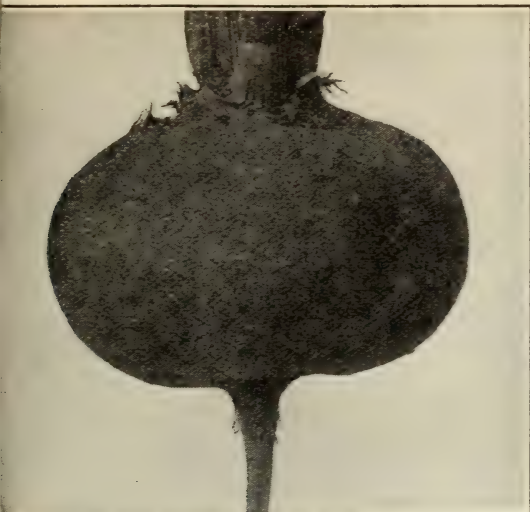
A wonderful new Pole Lima originated by one of the largest growers of Lima Beans in the United States, and has proven a valuable acquisition for its fine quality and productiveness. Pkt., 10c; pt., 30c; qt., 55c, postpaid; by express, pt., 25c; qt., 40c; peck, \$2.50; bush., \$8.00.

THE CREAM OF THE POLE LIMAS

Twenty quarts of Pole Limas are required to plant an acre in hills 4x4 feet. We send **Large Packets of any variety** at 10c each by mail, postage paid. Half peck and half bushel at peck and bushel rates.

Large White Lima (extra size). New Jersey grown seed, very productive. Our strain is superior to most others..
King of the Garden. Large, fine pods, productive, beans good size ..
Pedrick's Large Cluster Lima (Novelty 1908). Deep green, 12 to 13 pods to cluster, 5 to 6 beans to pod. A wonderful producer ..
Salem Improved Evergreen Lima. Large beans of finest quality ..
Seibert's Early Lima. The earliest large Pole Lima, easily shelled ..
Dreer's Improved, or Challenger Lima. Thick beans of fine quality, remaining green in pod a long time.....
Jersey Extra Early Lima. Large, early and productive.....

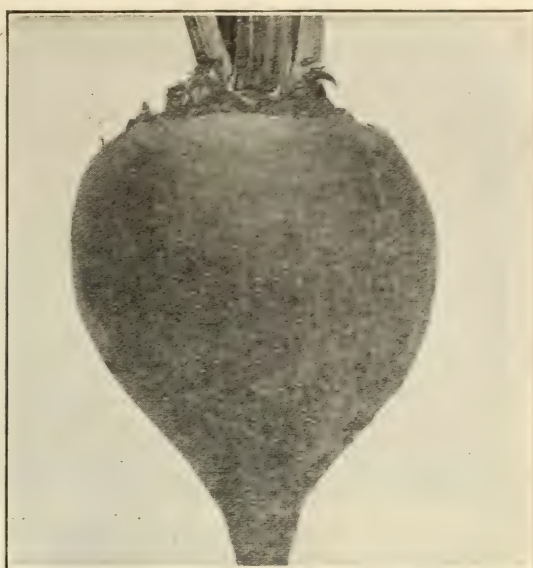
By Mail, postpaid		By Express or Freight		
Pint	Qt.	Qt.	Peck	Bush.
\$0 30	\$0 50	\$0 40	\$2 50	\$9 00
30	50	40	2 50	9 00
30	50	40	3 00	10 00
30	50	35	2 00	7 50
25	45	30	2 50	9 00
30	50	40	2 50	9 00
25	45	40	2 25	8 00



CROSBY'S IMPROVED EGYPTIAN

CROSBY'S IMPROVED EGYPTIAN BEET

This is our leading extra early beet for market gardeners' use; equally good for the home table. It is earlier than the old Extra Early Egyptian, larger in size, smooth, and of the form as shown in our photographic illustration above. It retains its superior quality and does not become woody and tasteless like the old Egyptian, when allowed to stand too long. It may be sown outside as late as July. This beet was originated from the Extra Early Egyptian by Mr. Crosby, and is a very shy seeder. Our stock is grown from stock seed, selected by the originator, and is superior in every way. Price: Per pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40, by mail, postage paid; by express, lb., \$1.30; 5 lbs. and over, \$1.25 per lb.



LANIER'S SUPERBA, most perfect beet in existence

LANIER'S SUPERBA BEET


For more than fifty years and until his death, our old friend, William Lanier, one of the oldest and best-known market gardeners near Philadelphia, supplied the early and late markets with the handsomest and most salable beets that could be had, and Lanier's Beets, as they were called, became much sought after by the best commission merchants of New York, Boston and Philadelphia. During all these years Mr. Lanier selected with a critical eye the most perfect beets from each crop for seed stock to plant for his own use. Bell shape. A strong, vigorous grower, producing marketable beets very early; dark carmine color. Price, pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.25.

GARDEN BEETS— —A Select List of the Best

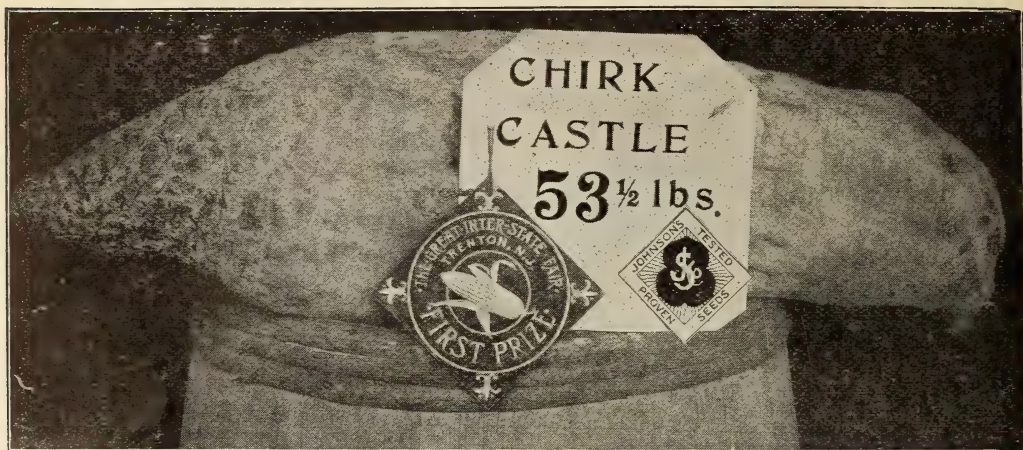
One ounce of seed will sow sixty feet of drill, five pounds will sow an acre in drills

All varieties in regular large-sized packets, at 5c per packet

	Per Oz.	¾ Lb.	Lb.
Extra Early Egyptian Blood Turnip. A standard early sort with small top..	\$0 15	\$0 35	\$1 00
Ruby Dulcet. Fine globe shape, blood-red, small top, finest quality.....	15	50	1 60
Johnson's Surprise. Extra early, small top, splendid shape and color.....	15	50	1 75
Improved Eclipse. A fine round beet of first quality; very early, greatly improved	15	35	1 00
New Meteor. Fine round shape, skin dark blood-red, flesh red, very sweet...	20	40	1 25
Crimson Globe. Round, smooth, deep purplish crimson, very sweet.....	15	35	1 25
Lentz Extra Early Blood Turnip. Popular market sort, very showy, fine quality	10	30	1 00
Bastian's Early Blood Turnip. Very popular, small top, flesh zoned, very sweet	10	30	1 00
Early Bassano. Quite early, very sweet, light colored flesh, fine form.....	15	40	1 35
Detroit Dark Red Turnip. Of fine dark color and form; splendid for market	15	40	1 15
Witham's Fireball. Earliest known beet; globe shaped; smooth, fiery-red; fine for forcing.....	15	50	1 60
Dark Stinson. Very popular with Philadelphia gardeners; good for winter use	15	45	1 50
Edmonds' Early Red Turnip. Fine medium early, deep red, very uniform....	15	35	1 00
Bastian's Half-Long Blood. One of the most popular winter keepers.....	10	35	1 00
Long Smooth Blood Red. An excellent, large, very late sort; fine keeper....	15	40	1 00
Swiss Chard, or Silver. Cultivated for leaves, which are used as greens....	15	40	1 00

 **MARKET GARDENERS' FARMERS' CLUBS AND INSTITUTIONS** wanting to purchase seeds in large quantities should write for special prices. Although we have made prices very low in this catalogue, yet where a number of pounds or bushels are wanted, we can frequently supply at a lower price than by the single pound or bushel. In writing, give us a list of quantities wanted, and we will return promptly with our **LOWEST COST PRICE**. As many crops, such as beets, peas, carrots and some vine seeds, have been extremely short the past season, early orders and inquiries are advisable. Letters will reach us if addressed simply **JOHNSON'S SEEDS, PHILADELPHIA**.

MANGEL-WURZEL AND SUGAR CATTLE BEETS

**Chirk Castle Mangel-Wurzel Beet**

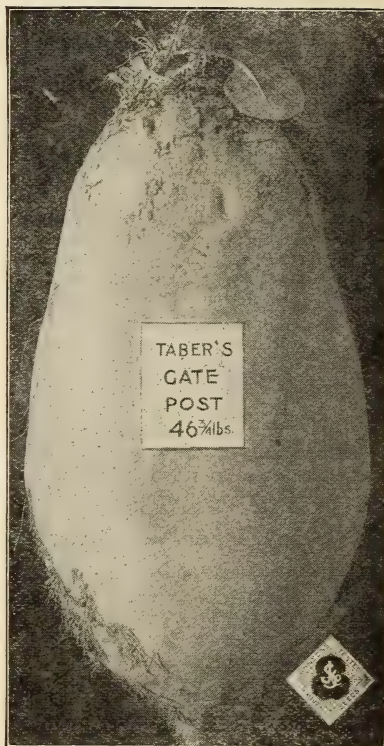
Remarkable for its handsome, thick, uniform shape and very broad shoulders, its diameter being greater and its weight much heavier than Mammoth Long Red, as shown in our photograph above. Flesh is deep red, containing less water and more sugar than any other Mangel, making it more nutritious and milk-producing. Sheep also thrive better when fed on it, picking out pieces of it in preference to other kinds. It was originated in Scotland, where it has been known to produce 60 tons to the acre. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid; by freight or express, lb., 50c; 5 lbs. (enough for one acre), \$2.40; 10 lbs. and over, at 45c per lb.

Giant Feeding Sugar Mangel Beet

A new strain which, while giving as large a yield of easily grown and harvested roots as a crop of ordinary Mangels, supplies a food richer in sugar and of very much higher nutritive value. Roots grow partly out of the ground, and because of this and their shape, the crop can be harvested and stored easily. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid; by express, lb., 65c; 5 lbs., \$3.00.

TABER'S GATE-POST**The Largest and Best Yellow Mangel**

Originated by Mr. Taber, the prominent English seed grower. Since its introduction in England and in this country, a few years since, has rapidly popularized itself, and is pronounced by leading farmers the most useful Mangel that can be grown. Its handsome, clean roots are very heavy, often weighing 40 pounds and over, and producing 2,000 to 2,500 bushels to the acre. Our seed of this now famous sort is grown for us by the originator in England. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c, postpaid; by freight or express, lb., 75c; 5 lbs., for \$3.25; 10 lbs. or more, 60c per lb.

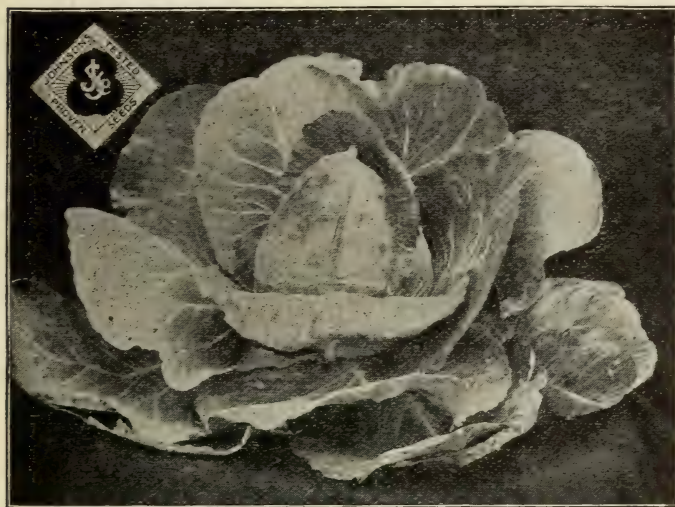


All varieties in regular large-sized packets, at 5c per packet.
If ordered in 5-lb. lots, 5c per lb. may be deducted

	Per oz.	¼ lb.	Per lb.
Mammoth Long Red Mangel. Sometimes called Jumbo, Norbitan Giant, and Colossal. The old variety, extensively grown for stock feeding..	\$0 10	\$0 20	\$0 55
Golden Giant Intermediate (Yellow Leviathan Mangel). Grows more than half above ground; flesh white, firm, sweet; very popular.....	10	15	50
Champion Yellow Orange, or Globe. Heavy cropper; succeeds on light land.	10	15	50
Golden Tankard Mangel. Broader than Mammoth Long Red; hardy and early	10	20	55
Giant Half Sugar Rose. A cross of the Mammoth Red Mangel and Imported Sugar Beet, containing more sugar than other Mangels; large and smooth	10	15	50
Lane's Improved Imperial. An improvement on the French Sugar Beet. Hardier, more productive, yielding thirty-five to forty tons per acre..	10	20	55
Red Top White Sugar Beet. The old variety, largely grown for stock feeding	10	15	50

High - Bred American Grown Cabbage Seed

To gardeners generally no vegetable is of greater importance than the cabbage; and to many growers the success or failure of this crop means gain or loss for the year. It does not pay, therefore, to take any risk in buying seed. Much of the seed commonly sold has not had the great care necessary in growing to make it reliable. Our Cabbage Seed is the very best that can be grown, raised only from the center shoots and from carefully selected solid heads. Our crops are all personally inspected with untiring care and watchfulness. As a standing evidence of its quality, we annually supply hundreds of the best market gardeners about Philadelphia, New York, Chicago and other large cities.



JOHNSON'S VERY EARLIEST CABBAGE. 10 days earlier than Early Jersey Wakefield.

JOHNSON'S VERY EARLIEST CABBAGE

The Earliest and
Hardest Heading of All First
Early Cabbage

For over 20 years has this splendid cabbage been one of our leading specialties. It has steadily grown in favor and is today the standby of many of our best friends. No words of praise can be written that would recommend this most desirable cabbage too highly. It is ten days earlier than Early Jersey Wakefield, and is unsurpassed in fine quality, great beauty and vigor of growth. With it you can command the early market in your

neighborhood. The heads are slightly conical, large, solid and remarkably uniform. Price, pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.75; 2 lbs., \$7.00; 5 lbs. and over at \$3.25 per lb.

Johnson's Extra Selected Early Jersey Wakefield Cabbage

While this sort is not so early as Johnson's Very Earliest, it will be found to be the very best conical headed sort to come in immediately after it. It heads up remarkably hard and solid, with but few outside leaves, which are unusually thick and heavy, enabling it to stand cold weather without injury when carried through the Winter either in the open ground in the South or in cold frames in the North. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

An Ideal List of Early and Summer CABBAGES

JOHNSON'S STANDARD STRAINS

American Grown Seed

Large packets of the following varieties, 10c each

Johnson's Quick Cash. Earliest and hardest flat-headed cabbage. A perfect wonder in earliness and fine quality. Heads firmly at any early stage.

Johnson's Ever Ready. Very early and solid from the start.

Earliest Etampes. An extra early small French sort, with pointed heads.

Johnson's Thunderhead. Wonderful, new second early. See Novelties, page 6

Charleston, or Large Wakefield. About a week later than Jersey Wakefield

Early Danish Round Head. Earlier than Danish Ball Head; of the short-stemmed type, wonderfully solid, hard, crisp and tender.

Early Winnigstadt. (Grown from Prussian Prize Stock.) Those intending to plant this variety will find our strain superior in earliness, size and solidity

All Head Early. A flat head, coming in with Early Summer; much larger.

Early Flat Dutch. We offer a remarkably fine strain; a sure, solid header

Henderson's Early Summer. A most popular and superior second early sort

All Seasons (Vandergaw). One of the finest, growing to a large size quickly

Henderson's Succession. An excellent second early; on style of All Seasons

Louisville Early Drumhead. Dark, bluish-green color; popular in the South-west

Fottler's Improved Flat Brunswick. Large, solid heads; fine for early or late

Per Oz.	$\frac{1}{4}$ Lb.	Lb.
\$0 35	\$1 00	\$3 50
45	1 25	4 50
20	60	2 25
50	1 50	5 00
25	75	2 75
20	60	2 25
20	75	2 50
25	80	2 75
20	55	2 00
20	60	2 25
20	50	1 75
30	80	2 75
20	60	2 25
20	75	2 75

Johnson's Market Gardener's No. 2 Cabbage

A FLAT-HEADED CABBAGE, COMING IN WITH WAKEFIELD AND PRODUCING DOUBLE THE CROP OF ANY OTHER EXTRA EARLY



JOHNSON'S MARKET GARDENERS' NO. 2 CABBAGE.

In this, the most perfect and uniform cabbage in existence, we have also the earliest and most compact of all large cabbages. It receives nothing but praise from Maine to California, and is pronounced by prominent gardeners everywhere the very best of all large early cabbages, either for Summer or Winter use. In it we have a cabbage so hardy and vigorous that it can be set earlier than Jersey Wakefield or Early Summer, and will produce fine, solid, marketable heads, more than twice as large as Jersey Wakefield, and one-half again as large as Early Summer, and comes in as early as Large Wakefield and fully a week earlier than Early Summer or any other variety of its size or class. When planted for a Fall or Winter crop there is no other cabbage which will withstand the Summer sun so well and is so sure to form large, deep, solid heads which keep perfectly all Winter. Choicest seed of our own selection and growth. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50; 5 lbs. and over, \$3.40 per lb.

Louderback's All the Year Round Cabbage

This cabbage, originated by Daniel Louderback, has for many years been the standard early round-headed cabbage with Philadelphia gardeners, who prefer it to Early Summer and similar sorts, the originator frequently getting as high as \$10.00 per pound for his seed. It is not only the finest early Drumhead in cultivation, but is equally as good for second and third early, intermediate and late, heading large, compact and solid at all seasons. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

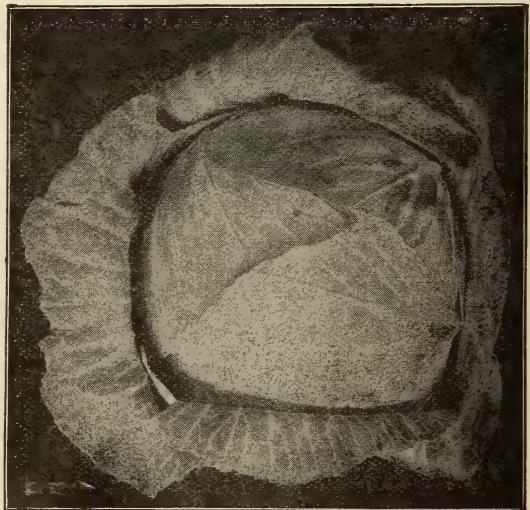
GENUINE DANISH BALL-HEAD CABBAGE

Seed Grown by the Originator in Denmark

An extremely hardy imported cabbage, which is growing in popularity in America, having proven itself one of the very best winter sorts. It is a very sure header, very solid and heavy, an extra good keeper and good seller. It is medium to late, but is generally grown as a late crop. The heads are not extra large, and without many outer leaves, so that it can be grown in close quarters. It has excellent keeping qualities, and comes out of the pit in March or April as fresh as when it was put in. It is the best cabbage to raise where it is sold per ton or by weight, as its solidity is not equalled by any other cabbage in the list. Prices: Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 2 lbs., \$4.75.

EARLY DANISH ROUND HEAD

Earlier than above, with shorter stem; hard round heads. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.



DANISH BALL-HEAD CABBAGE.



JOHNSON'S MATCHLESS LATE FLAT DUTCH CABBAGE

The largest, handsomest, most uniform and solid of all late sorts, pronounced by experienced cabbage growers the finest strain of late cabbage in the world. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

An Ideal List of Standard Late or Winter CABBAGES

All varieties in regular large-sized packets at 10c per packet

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Danish Ball Head Winter. (See cut, previous page.) Very round, solid head, withstands drought and succeeds on poor soil.....	\$0 20	\$0 75	\$2 50
Surhead. (Original seed.) Strong, vigorous; very uniform; large and solid	25	75	2 50
Rockhead Winter. Large, perfect shape, sure header and long keeper....	20	60	2 25
Short Stem Drumhead. <i>Surpasses</i> the old late Drumhead, ripening <i>earlier</i>	20	60	2 25
Large Late Drumhead. Old favorite Winter sort; valuable for main crop.	20	60	2 25
Premium Flat Dutch. Largely grown for main crop; a favorite for Winter market	20	60	2 25
Improved Red Dutch Erfurt. Very hard heads; deep blood color; for pickling	20	55	2 00
Mammoth Red Rock. Largest, hardest heading and best red cabbage....	20	55	2 00
Johnson's Hard Heading Savoy. The best flavor, equal to cauliflower. See cut	25	75	2 75

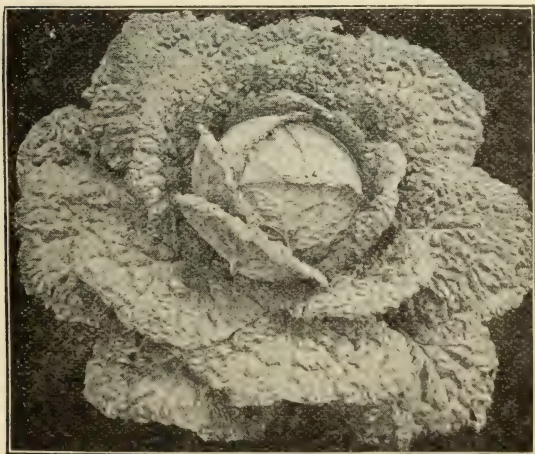
Brussels Sprouts, or Miniature Cabbage

If more widely known, the Brussels Sprout would be as popular as it is valuable; few people appreciate its full worth as a Winter vegetable. The small cabbages grow on stalks in great profusion. It is not the least affected by frost, and equal to cauliflower in flavor.

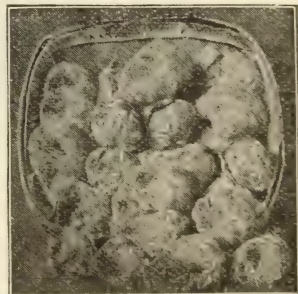
IMPROVED HALF - DWARF, or PARIS MARKET. The most productive and hardiest variety, bearing fine, hand-

some, solid sprouts, growing closely on the stalk and of finest quality. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb. \$2.75.

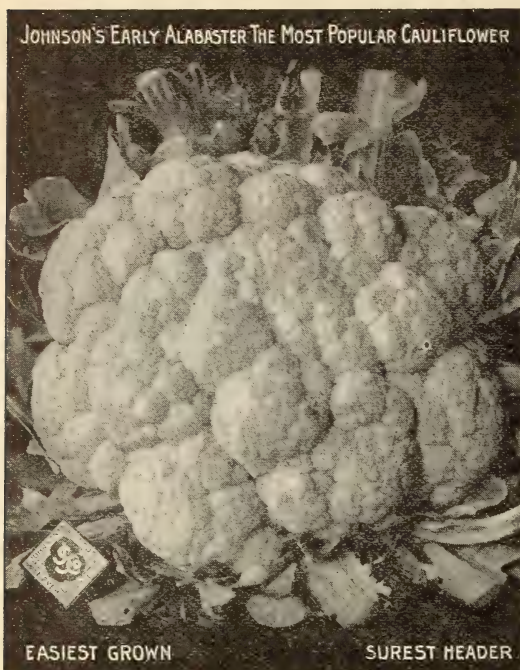
LONG ISLAND STRAIN. Compact sprouts, largely grown for New York markets. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.



JOHNSON'S HARD HEADING SAVOY CABBAGE. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.



BRUSSELS SPROUTS



JOHNSON'S ALABASTER. Pkt., 25c.; oz., \$3.00; ¼ lb., \$10.00

Pkt., 5c.; oz., 25c.; ¼ lb., 50c.; lb., \$1.50.

CAULIFLOWER

One ounce will produce about fifteen hundred plants and sow about forty square feet.
One-half ounces and one-half pounds furnished at ounce and pound rates.

Johnson's Early Alabaster. One of the best cauliflowers in cultivation; easiest grown, surest header and earliest. See photograph above
Gilt Edge Early Snowball. Extra fine stock. For forcing under glass during Winter and early Spring, or for planting later in the open ground
Pearl of Denmark. The latest novelty from Denmark.....
Extra Early Dwarf Erfurt (Extra Selected). For forcing or open ground
Danish Dry Weather. Almost as early as Snowball, with larger heads..
Extra Early Paris. Heads of medium size; first-class, sure header.....
Lenormand Short Stem. Has very large heads; white, firm and late...
Large Algiers. Market gardeners' popular late sort; enormous size.....
Veitch's Autumn Giant. Vigorous in growth; very large and late.....

Per pkt.	Per oz.	¼ lb.	Per lb.
\$0 25	\$3 00	\$10 00	\$30 00
25	2 25	8 00	26 00
30	4 25		
25	2 25	7 50	25 00
25	3 00	10 00	38 00
10	65	2 25	7 00
10	65	2 00	6 50
10	65	2 25	7 00
10	60	1 75	5 50

CARROTS—For the Table and Stock Feeding

One ounce will sow about one hundred and twenty-five feet of drill; four pounds will sow an acre.

All varieties in regular large-sized packets, at 10c. per packet.

Rubicon Half-Long Orange. The best and most popular half-long carrot. Earlier than Danvers, heavier and thicker at the shoulders, as shown in our photograph above, making it more productive; the leaves are also shorter and finer. A wonderfully heavy cropper, producing from 30 to 40 tons to the acre under good culture. 5 lbs. and over, \$1.40 per lb., by freight or express.
Improved Danvers. (Improved American Strain.) Top small; color rich orange; shape, *handsome and smooth*; superior quality; valuable also to grow for feeding stock, being well adapted to all soils
New French Market. (French seed.) Fine deep orange color; beautiful, smooth, distinct, half-long shape; free from core. Heavy cropper and a great keeper
Early Scarlet Horn. (Short Horn.) Old standard and favorite early sort....
Ox-Heart, or Guerande. Early, short, thick, very smooth and handsome
Early Half-Long Scarlet, Pointed. Very productive and handsome; fine quality,
Chantenay. (Stump-rooted.) Similar to the old French Nantes carrot.....
Saint Vallery, or Intermediate Red. Rich red color; late, thick and smooth..
Long Orange. (Improved.) Well-known standard sort
Nichol's Long Orange. Much earlier than old Long Orange; shorter top; color, deep orange red. Perfectly smooth
Large White Belgian. For cattle feeding; very productive and large.....
Large Yellow Belgian. Differing from above in color; a fine late keeper.....

Extra Clean Rubbed Seed.		
Per oz.	¼ lb.	Per lb.
\$0 25	\$0 50	\$1 50
15	40	1 25
25	75	2 50
20	50	1 75
15	40	1 75
20	60	2 00
15	40	1 50
15	40	1 50
15	40	1 50
15	30	1 00
10	30	1 00
10	30	1 00



Section of field of our famous Johnson's Winter Queen Celery. Oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.40

WINTER QUEEN CELERY

Popular Late Celery

Since the introduction of this very valuable celery nine years ago, it has become the most popular of all as a late Winter keeper, frequently being seen and selling at high prices in the month of May, after all other celeries are done. It is much stouter, thicker and heavier; of stocky, robust habit, with double the amount of heart of other sorts. Ribs branch to a creamy white, solid, crisp and of nutty flavor. (See photograph.) Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.40.

JOHNSON'S PERFECTED WHITE PLUME CELERY

The Earliest Celery

Easiest to grow as it blanches without even earthing up. Our extra selected and perfected market garden strain is entirely free from green celery found in most other strains of this important sort. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

The Best of the Standard CELERIES

One ounce will produce about 2,500 plants and sow about 200 feet of row.
Large packet, 10 cents each, except where noted.

Johnson's Golden Self-Blanching (American Seed grown from French stock).

Many gardeners are planting their entire crops with our superior strain of this variety. Pkt., 10c.....

Johnson's New Cremona. Sport from Winter Queen; fine late keeper.....

Giant Pascal. Popular green sort, very brittle, crisp and nutty in flavor; pkt., 5c.....

New Columbia. (See page 7) Early, showy and superior quality. Stalks resemble in shape Giant Pascal, with rich yellow tint of Golden Self-Blanching.....

Golden Dwarf, or Golden Heart. Fine, large, solid, waxy-golden heart; pkt., 5c.....

Perfection Heartwell. Large heart; superior quality; excellent for Winter..

Schmacher. Immense size; solid, crisp; firm golden-yellow heart; late keeper

Soup or Flavoring Celery. (Old Seed.) Used for flavoring soups, stews, etc.

CELERIAC, or Turnip-Rooted Celery. Extra Large Smooth Prague. Pkt., 50c

Per Oz.	$\frac{1}{4}$ Lb.	Lb.
\$0 35	\$2 00	\$7 00
25	75	2 50
25	90	3 00
50	1 35	5 00
20	75	2 25
20	50	1 75
20	90	2 60
5	15	40
20	60	2 00

CHIVES

Hardy and perennial members of the onion family, grown exclusively for their tops. Roots, per bunch, 25c, by mail, postpaid.

COLLARDS (COLEWORT)

Largely used as "greens," especially in the South. A form of the cabbage, bearing new leaves as the old ones are pulled off.

Georgia. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

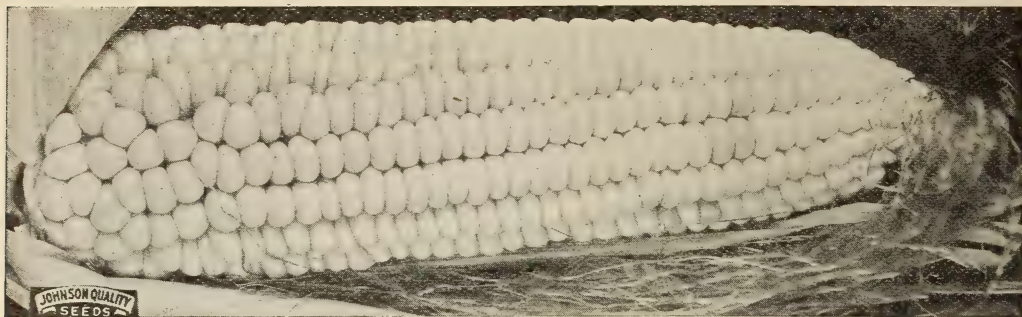
CRESS

Extra Curled. (Pepper Grass.) Fine flavor; will cut several times. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

True Water Cress. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.50.

CORN SALAD, or FETTICUS

Broad Leaved (Large Seeded). A delicious salad, used during the Winter and Spring months as a substitute for lettuce, and is also cooked and used like spinach. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.



New Sweet Corn—Connecticut Beauty

Without an equal; combining earliness, large; pint, 25c, postpaid; qt., 30c; peck, \$1.25; bush., long, often borne 3 good ears to a stalk. Pkt., 10¢ size of ear and fine quality. Ears 6 to 7 inches \$4.75.

SWEET CORN

Eastern grown seed, arranged in the order of maturity
Large packets, 10c each

STANDARD EXTRA EARLY VARIETIES

Adams' Extra Early. Not sugar corn; small ears for early use
Burlington Hybrid. Most profitable for market; resembles sweet corn; nearly as early as Adams', with ears as large
Peep-o'-Day. Extraordinarily early; sweet and productive. . .
Early Cory, or First of All. Very early, with fair-sized ears. . .
Holmes' Premo. Large ear; 60-day corn; very sweet and hardy
New Mammoth White Cory. A selection from the old White Cory, which it has displaced; fully as early

New Early Champion. Ripens ahead of Crosby's; larger ears. . .

Kendel's Early Giant. Large, handsome ears; ready in 70 days

Crosby's Extra Early. Fair-sized ears; of excellent quality. . . .

SECOND EARLY AND GENERAL CROP VARIETIES

Shaker's Early. Very large, white grain; early and productive

New Early Evergreen. Ears as large as Stowell's; 10 days earlier

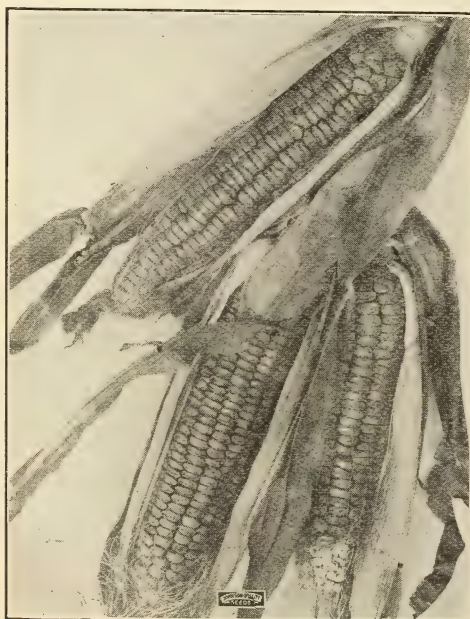
Stowell's Evergreen. Original stock as introduced by Mr. Stowell

Country Gentleman. (Improved strain.) Sweetest of all.

Shoe Peg, or Ne Plus Ultra. Small ears, with very irregular rows

Large Mammoth. The largest ears of all; rich, sweet and superior

Postpaid		By Express (not prepaid)		
Pint	Qt.	Qt.	Peck	Bush.
\$0 15	\$0 25	\$0 20	\$1 10	\$4 00
20	30	20	1 10	4 00
20	30	20	1 25	4 50
20	30	20	1 10	4 00
20	30	20	1 15	4 25
20	30	20	1 15	4 25
20	30	20	1 15	4 50
20	30	20	1 25	4 50
20	30	20	1 25	4 50
20	30	20	1 10	4 00
20	30	20	1 15	4 25
20	30	20	1 10	4 00
20	35	25	1 25	4 75
20	35	25	1 35	5 00
20	30	20	1 25	4 50



EARLY GOLDEN BANTAM SWEET CORN

Early Golden Bantam Sweet Corn

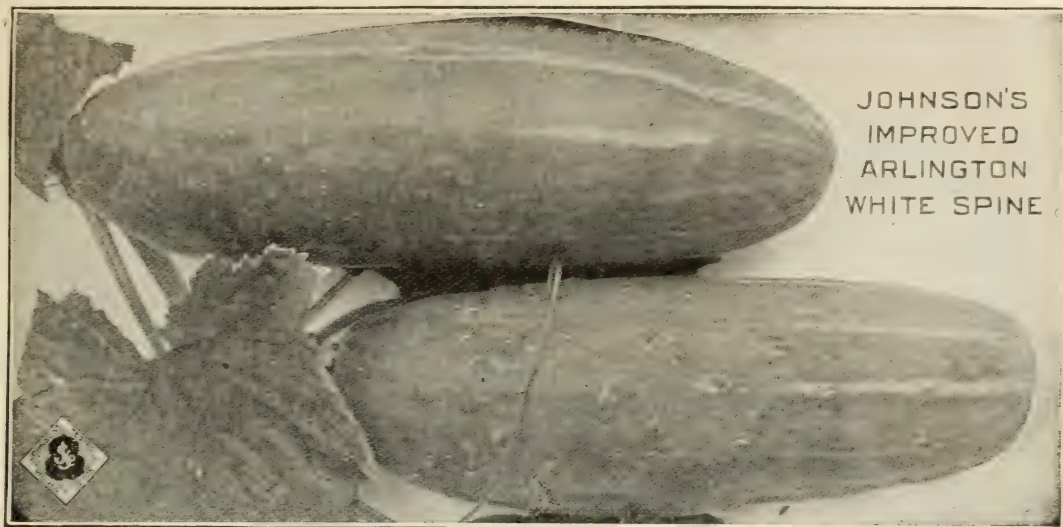
A very early new sort. Very dwarf and sweet as honey. Pkt., 10c; pint, 25c; qt., 40c, postpaid; by express, not prepaid, qt., 30c; 4 qts., \$1.00; bush., \$5.50.

Johnson's Five-Eared Sugar Corn

Six years ago on our trial grounds we found a stalk of corn containing five well-filled ears. These were carefully saved and planted on strong ground, and to our surprise, almost every stalk bore five good ears, which, after careful selection, were again planted, until we now have a variety which, on strong ground and with good cultivation, will invariably produce five good, well-developed ears to the stalk. The ears are of medium size, with irregular rows, somewhat similar to the old Shoe Peg, which is one of its parents. Pkt., 10c; pint, 25c; qt., 45c, by mail, postpaid; qt., 35c; 4 qts. for \$1.00; peck, \$1.50; bush., \$5.00, by express or freight.

POP CORN FOR THE BOYS

Queen's Golden, White Rice, Silver Lace and Mapledale Prolific are the best. Each variety, ears, 10c each; shelled, pkt., 10c; pint, 20c, postpaid; lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.00.



Johnson's Improved Arlington White Spine Cucumber Extra Select

A marked improvement over all other strains of White Spine. The vine is very hardy, and its earliness has been developed until the first fruit is ready for shipment a week or more in advance of any of the old White Spines. The color is a clear, rich green, brilliant and permanent to an extraordinary degree. In productiveness it ranks first. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25, postpaid; by express, lb., \$1.00; 5 lbs. and over, 90c. per lb.

CUCUMBERS

One ounce will plant about fifty hills; two pounds will plant one acre.
Large packets, 5c. each.

	Per Oz.	$\frac{1}{4}$ Lb.	Lbs.
Peerless, or Improved White Spine. A fine strain, very early and handsome.	\$0 10	\$0 30	\$1 00
Evergreen White Spine. Retains its deep green color in all stages of growth	10	30	1 10
Perfected White Spine. Old standard for market and shipping.....	10	30	1 00
Coy's Early Cyclone. The earliest White Spine by 3 weeks. Wonderfully prolific.	10	25	75
Johnson's Hot-House Forcing. Seed from hot-house-grown cucumbers. Something extra good, equally valuable for growing outside. Pkt., 10c.....	35	1 00	3 50
Davis' Perfect. (New.) Valuable for forcing or growing outdoors.....	10	25	90
New Klondike. Early, prolific, dark green, crisp; fine for market.....	10	35	1 00
Early Frame, or Short Green. For slicing or pickling; productive and early	10	25	90
Westerfield's Chicago Pickle. One of the best pickles; very popular West.....	10	35	1 00
Nichol's Medium Green. Thick, full ends; for slicing or pickling.....	10	25	75
Green Prolific, or Boston Pickling. Dark green; uniform small size. Productive	10	25	80
Improved Long Green. (Jersey Pickle.) Dark green, crisp and productive..	10	35	1 00
Johnson's Perfected Jersey Pickle. By far the best pickling variety.....	15	40	1 25
New Cumberland. Finest for pickling or slicing.....	10	30	1 00
Fordhook Pickling. A new variety, with pickles 3 inches long. Very prolific	15	35	1 00
Giant of Pera. Grows 1 to 1½ feet long; one of the best for table use.....	15	45	1 25
West India Gherkin, or Burr. Small, prickly fruits; best for small pickles..	15	45	1 60



The best Cucumbers for pickles. Seed: Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



PHOTOGRAPH OF AVERAGE SPECIMENS OF JOHNSON'S NORTHMOUNT EGG PLANT

Johnson's Northmount Egg Plant

This fine new variety is the result of selection of the very earliest and finest fruits of the celebrated "Black Beauty." It is, beyond question, the earliest and hardiest of all Large Smooth Purple Egg Plants. While the fruits are not always quite as large as Black Beauty, it ripens fully ten days earlier and is suited to more northern climates.

The plants branch freely near the ground and grow in well-rounded bushes. The fruits are thick, of most attractive shape, and in color a lustrous purplish black. This coloring is uniform over the whole fruit, and does not fade at the blossom end, as do so many of the older varieties.

Prices, per pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50; lb., \$5.00.

EGG PLANT—Choice New Jersey Grown Seed

One ounce will produce 1,000 plants. Large packets, 10c each.

New York Improved Large Purple, Spineless. The old standard sort.....

New Jersey Improved Large Purple. Largest and finest of late Egg Plants

Improved Black Beauty. Fine new sort; handsome shape, hardy, thrifty, well-rounded bushes, giving 10 to 20 perfect fruits, which never turn gray

ENDIVE, or Chicoree

One ounce will sow fifteen feet of drill and will produce about three thousand plants. Large packets, 5c each, except where noted.

Mammoth Green Curled. Leaves very crisp, tufty and full. Mid-rib is pure white, with large, white heart, fleshy and tender. Equally suitable for Spring, Summer or Autumn planting. Pkt., 10c.....

Broad Leaved (Escarolle). Large and sweet, for Fall and Winter. Popular South

Giant Green Fringed, or Oyster. Very handsome and tender. Used largely by restaurants to decorate oysters. Easily blanched by tying in center..

Ever-White Curled. A very attractive and choice salad, with yellow mid-rib

DANDELION—Sow early in drills eighteen inches apart.

Improved Large, or Thick Leaved. A very early spring salad. Pkt., 10c...

GOURDS—Large Packets, 10c each

Luffa, or Dishcloth. A vegetable dishcloth, a sponge and bath brush combined. Fruit grows about 2 feet in length. Vine grows to a height of 20 to 25 feet.....

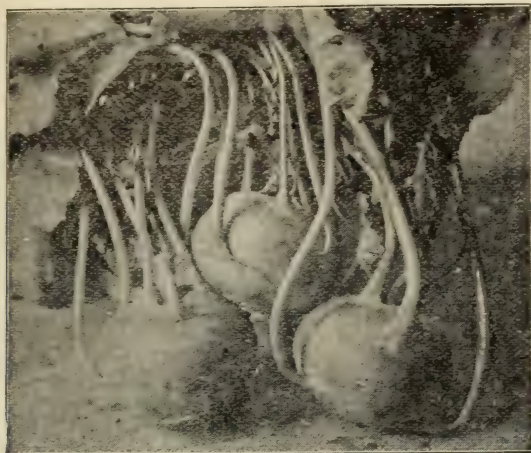
Dipper. Capacity varies from a pint to a quart, with handles 6 to 12 inches long. Convenient for dipping hot liquids, etc. Pkt., 10c.....

Japanese Nest-Egg. These exactly resemble the eggs of hens, making a capital nest-egg. A rapid-growing climber. Pkt., 10c.....

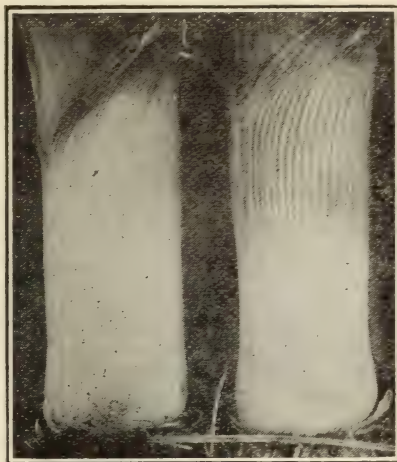
Sugar Trough. Very useful for baskets, dishes, buckets, etc. Hard, thick shells, capable of holding from two to ten gallons each; plant grows rapidly. Pkt., 10c.....

Fine Mixed. A collection of the most ornamental, including the above. Pkt., 10c.....

Per Oz.	¼ Lb.	Lb.
\$0 35	\$1 10	\$4 00
35	1 10	4 00
40	1 10	3 75
15	40	1 50
15	40	1 25
15	45	1 40
15	40	1 35
40	1 10	4 00
35	1 00	
25	75	2 75
25	75	
25	75	
40	1 25	



SMOOTH WHITE SHORT-LEAVED—THE BEST KOHL-RABI.



NEW GIANT ITALIAN LEEK.

KOHL-RABI OR TURNIP-ROOTED CABBAGE

One ounce will sow one hundred and fifty feet of drill.

Large packets, 10c each, postpaid.

- New Smooth White.** Very Short Leaved. Extra fine for table or market. Superior to White Vienna, very early and best for forcing or outside.
- New Smooth Purple.** Very Short Leaved. Differs from above only in color.
- White Vienna.** Very early, short leaved, delicate, handsome and tender....
- Early Purple Vienna.** Similar to above, except in color, which is bluish purple

KALE OR BORECOLE

One ounce will produce about two thousand plants.

Large packets, 5c each, postpaid.

- New Imperial, or Long Standing.** Slow seeder, hardiest for gardeners; superior to all other sorts in vigorous habit; bright green color.....
- Philadelphia Green Curled Scotch.** Height, 2 feet. Popular Philadelphia strain
- Extra Dwarf Green Curled Scotch.** Height, 18 inches. Popular South....

LEEK

One ounce will sow one hundred feet of drill, and produce about one thousand plants. Packets, 5c each, by mail, postpaid.

- New Giant Italian.** The largest and best of all. Very hardy, with distinct, dark-colored leaves; mild in flavor, like the Italian Onions; fine keeper.
- Large American Flag.** Very large, hardy and productive; popular for market
- London Flag.** Old sort, smaller and inferior to the new large varieties....
- Monstrous Carentan, or Scotch Champion.** (Musselburg.) Very large.....

Per Oz.	¼ Lb.	Lb.
\$0 30	\$0 80	\$3 00
30	80	3 00
25	70	2 50
25	70	2 75
10	25	75
10	20	65
10	25	70
20	50	1 75
15	40	1 50
15	40	1 40
15	40	1 50

HORSERADISH

Horseradish is grown from young roots or sets, which should be planted out in the spring. They will form a large-sized radish, fit for use in one season's growth. Common variety roots, per dozen, 20c; per 100, 75c, postpaid (50c per 100; \$3.00 per 1,000 by express). Write for special prices in large lots.

MALINER KREN—A New Horseradish from Bohemia

This new sort was brought from Bohemia by Mr. Fairchild, Agricultural Explorer for the office of Plant Introduction of the United States Department of Agriculture.

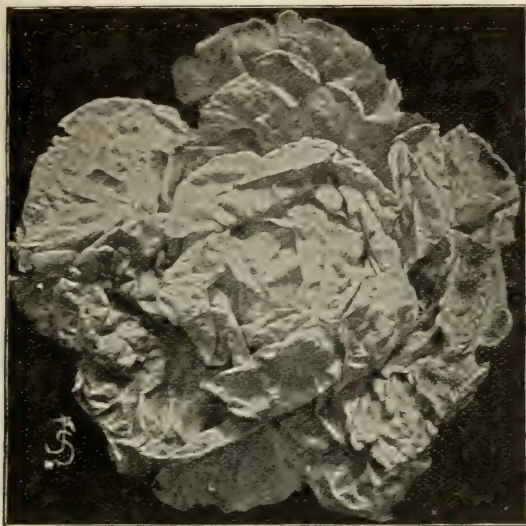
The roots grow to a very large size, perfectly white, and suited to almost any soil. Roots set in April will yield a large crop in October. Grows much more rapidly than the old variety, and its flavor is the very best; especially is the difference noticeable in early fall, when the old variety would be too green for use. It is a profitable crop for the farmer, and should be planted in every home garden, as it can be grown as easily as potatoes or corn, simply by sticking down the cuttings in rows, cultivating same as cabbages, and plow out in the fall or spring, same as potatoes, parsnips or carrots. Small roots, ready for planting: 20c per dozen, or \$1.50 per 100, by mail, postpaid. By express or freight, not prepaid: Large size, \$1.00 per 100; \$7.00 per 1,000.

GARLIC

The sets should be planted in spring. Cultivate same as onions. Sets, per ¼ lb., 15c; lb., 40c, postpaid; by express, lb., 30c; 10 lbs. and over, 25c per lb.

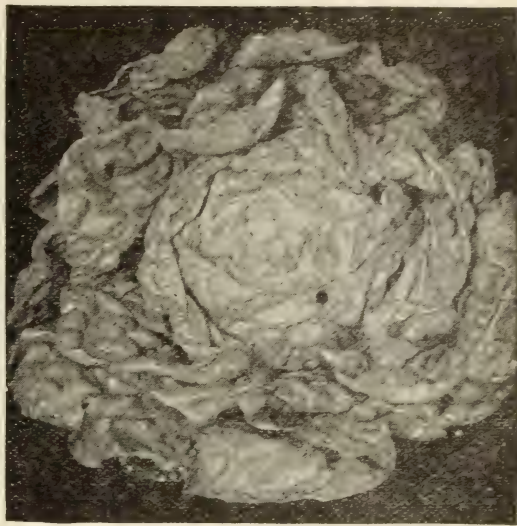


HORSERADISH ROOTS.



Mammoth Salamander Lettuce

In the New Mammoth Salamander we have a variety which possesses all the desirable qualities of the old Salamander, but grows to double the size. It is the result of many years' careful selection and breeding by a Philadelphia market gardener, whose main crop is lettuce. Owing to its handsome appearance and fine quality, it is today the most rapid seller in New York and Philadelphia markets. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



Johnson's Big Boston

A fine forcing variety for cold frames during the Winter months, as it produces *heads of very large size*, and succeeds better in a cooler temperature than most forcing strains. It heads well also in the open ground. Per pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Early May King Lettuce

Fine for early Spring planting in the open ground. Round, compact, solid heads, green and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

LETTUCE—Curled or Loose Leaved Varieties

All varieties in regular large-sized packets, at 5c per packet

Grand Rapids. A famous shipping, loose-headed forcing sort; popular West
Black-Seeded Simpson. Improved strain; large, loose heads; light in color..
Early Prize-Head (Brown Cabbage). Large, loose heads, tinged with brown
Early Curled Silesian. A leading early sort; fine cutting for home use.....
New Trianon Cos, or Celery Lettuce. The finest of all the Cos sorts; leaves
 when bleached are stiff like celery stalks, and can be eaten in the same
 manner
Lettuce—American Varieties Mixed. Fifteen kinds mixed in one package,
 giving a succession of fine lettuce for whole season in the home garden

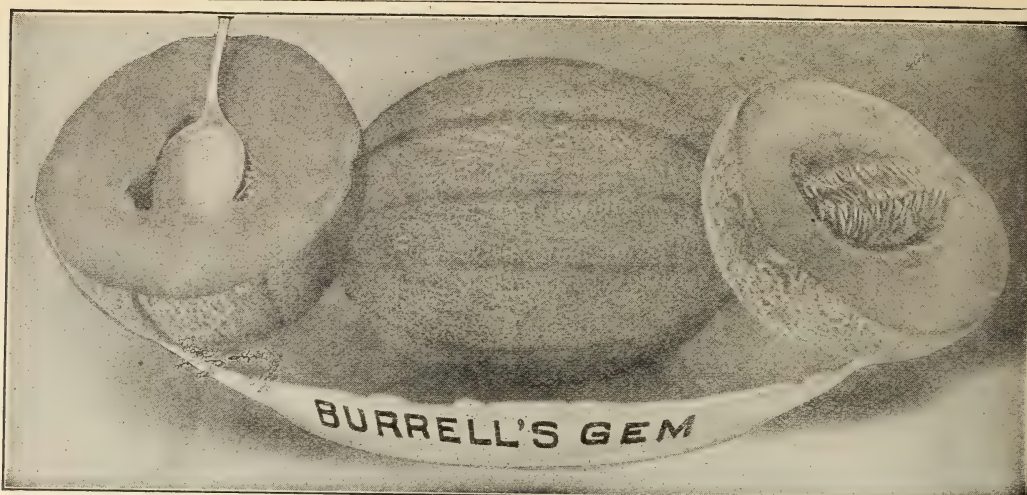
Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 15	\$0 45	\$1 50
15	40	1 40
15	45	1 50
15	45	1 50
15	45	1 50
15	45	1 50
10	25	90



New Morse Lettuce

This excellent new curled lettuce might be called an improved Black-Seeded Simpson, except from the fact that the seed is white. It grows to large size. The outer leaves are light green, while within they blanch to a beautiful light yellow. It withstands Summer heat splendidly, is very early and of delightful flavor, being very crisp and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

The Best Seeds Commend Themselves



BURRELL'S GEM—The New Rocky Ford with luscious golden meat, a fine shipper. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

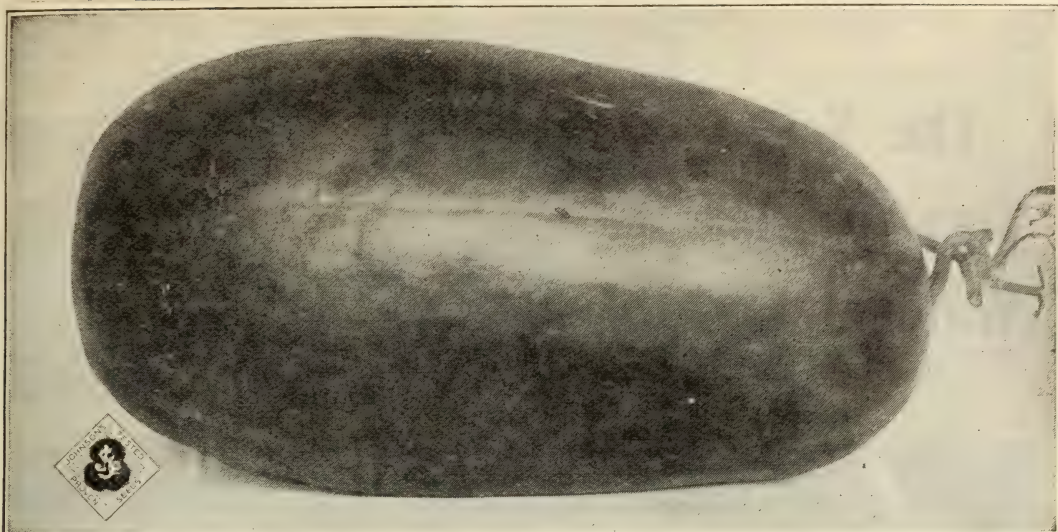
MUSKMELONS OR CANTALOUPE —A SELECT LIST

One ounce will plant about seventy hills, three pounds will plant one acre.
All varieties in large-sized packets at 5c each, except when noted.

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Early Jenny Lind. Small, early; light green flesh; fine for early market...	\$0 10	\$0 30	\$0 90
McCleary Jenny Lind. One of the earliest. Profitable for the market.....	15	40	1 40
Sweet Home. Larger than Jenny Lind; green flesh; best for light soils....	15	50	1 50
Johnson's Dreamwold. Novelty for 1907. See page 10. Pkt., 10c.....	25	80	2 50
Anne Arundel. Shape of Acme; much larger in size; thick green flesh....	15	45	1 00
Paul Rose, or Petoskey. (New.) Cross of Osage with Netted Gem. Early	10	30	1 00
Hoodo. (New.) Medium size; red flesh; finest quality; round, heavily netted	15	45	1 25
Norfolk Button. (New.) Very early and prolific; thick, sweet, green flesh	15	45	1 25
Rocky Ford. Largely grown in Colorado for shipment; oblong in shape; sweet, green flesh. 5 lbs. and over, 60c per lb., by express or freight...	10	25	75
Selected Netted Rock or Eden Gem. An improved large Rocky Ford.....	20	50	1 50
Improved Shipper's Delight. New, fine, early. Good shipper. Distinct shape	10	30	90
Netted Gem. (Golden Jenny.) Early; small, nearly round and of fine flavor	10	30	90
Tip-Top Nutmeg. Slightly oval; grows to good size; sweet, yellow flesh....	10	30	90
Large Hackensack, or Turk's Cap. Large, round; flattened; green flesh....	10	30	90
New Early Hackensack. Ten days earlier than Hackensack, which it resembles	10	30	90
Emerald Gem. Small, early, productive; sweet salmon flesh, deep green skin	15	45	1 25
Red-Fleshed Osage, or Miller Cream. Medium size; globe shape; very sweet	15	45	1 25
New Green-Fleshed Osage. One of the best of green-fleshed sorts.....	10	30	1 00
New Fordhook. A red-fleshed Jenny Lind. See Novelties, page 10. Pkt., 10c	15	30	1 00
Long Island Beauty. The best of the Hackensack type; very early; fine quality	15	40	1 25
Outremont Beauty. Largest of all; luscious, thick green flesh. Pkt., 10c..	30	60	2 00
Bay View. Very prolific and of good size; oblong; green flesh; quite late..	10	30	1 00
Improved Montreal Nutmeg. Large, round, netted; flesh thick and light green	15	45	1 25
Acme, or Baltimore. Early; oblong; pointed; light green flesh; a fine shipper	10	30	1 00



A crate of ROCKY FORD MELONS. Johnson's selected strain, as they appear in New York and Philadelphia markets.



BURRELL'S HARD SHELL KLECKLEY SWEETS WATERMELON

Originated by Mr. D. V. Burrell, the famous melon grower of Colorado. The rind is thin, but much tougher than the original Kleckley Sweets, making it a good shipper, while the quality is fully equal. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 35c; lb., \$1.00, postpaid; by express, 5 lbs. and over, 85c per lb.

THE HALBERT HONEY WATERMELON

This melon originated in Texas, and is one of the best for private use or nearby markets. The rind is thin, and will not hold for shipping any great distance. The beautiful crimson flesh has scarcely any pulp, and is very sweet. It is long, dark green, and runs from 20 to 30 inches in length. It uniformly demands the highest price. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

BLACK BOULDER—The Great Shipping Watermelon

For this grand new and distinct watermelon we are indebted to the late Aaron Paul. It is enormously productive, reaching a mammoth size. It cuts equal to any market shipping melon we have ever eaten; its shipping qualities are phenomenal, no other melon equaling it in tough green skin and rind. It is one of the best "all round" melons in existence; for the family garden is also without a peer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

GENUINE JOHNSON'S DIXIE WATERMELON

The true Johnson's Dixie is a cross between the Kolb Gem and Old-Fashioned Mountain Sweet, and surpasses the Kolb Gem in shipping qualities, and fully equals the Mountain Sweet, Kleckley and Florida Favorite in superior eating quality, and is ten days earlier than any of them. Its great productiveness is shown from the fact that it frequently matures six to eight large melons to the vine. Owing to the great popularity of this variety, another and much inferior melon is frequently substituted and sold for it. If you want quality and genuine seed, send to the Johnson Seed Company. Price, per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

EXTRA SELECTED STOCK SEED. From picked melons. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



BLACK BOULDER WATERMELONS.

GENUINE JOHNSON'S DIXIE WATERMELONS.

The New Tom Watson Watermelon



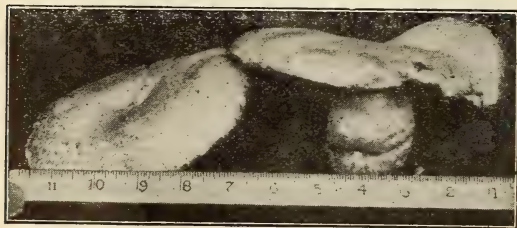
The Tom Watson originated in Georgia, a State noted for producing fine watermelons, and has given great satisfaction to all our customers who planted it. It is a large, extra long, dark green melon, as shown in our photograph below. The average melon will weigh 35 to 40 pounds. The rind is thin, but tough, and the flesh a bright red color, of delicious, sweet and satisfying flavor. Its appearance and quality strongly recommend it both for home use and market. Per pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.



Standard WATERMELONS with Real Merit

One ounce will plant about fifty hills and four pounds will plant one acre. Large packets of any variety, 5c each. In 5-lb. lots and over, 10c per lb. may be deducted.

	Per oz.	¼ lb.	Per lb
Paul's Bonny Best. The earliest watermelon. Melons weigh 15 to 20 pounds	\$0 10	\$0 25	\$0 85
Fordhook Early. Very early; good size; medium green, red flesh of fine quality	10	25	85
Early Jumbo. Round; of large size; dark green skin; extra good quality...	10	25	80
Dark Icing. Early, round, solid, with thin dark green skin; of superior quality	10	20	70
Light Icing, or Ice Rind. Round in form like the above; flesh of fine quality	10	25	75
Bradford. A fine oblong shipping melon; very large and sweet; red flesh..	10	25	75
Johnson's Ozark Beauty. Very productive; of fine quality.....	10	20	70
Triumph. New Southern variety. Very large; dark green; superior flavored	10	20	70
Cherokee Beauty. Long, large, dark skin, striped with black. Sweet flesh	15	20	75
Gray Monarch, or Long White Icing. Very large, long; crimson flesh.....	14	25	75
Sweet Heart. Mottled light green; large, oval, heavy; red flesh; fine shipper	10	20	65
Alabama Sweets. A grand new shipping melon; equal to Icing and Kleckley	10	25	70
McIver's Wonderful Sugar. Resembles Old Rattlesnake, superior in quality	10	25	70
Cuban Queen. Early, solid and heavy; skin striped dark and light green...	10	20	70
Kolb Gem. Very large; flesh red; a good shipping sort; popular in the South	10	20	65
Blue Gem, or Iceberg. A blue Kolb Gem, better quality; desirable for shipping	10	20	70
Florida Favorite. A superior strain; large, oblong, striped; luscious red flesh	10	25	75
Gypsy, or Georgia Rattlesnake. Oblong, dark and striped; bright red flesh	10	25	75
Colorado Preserving Citron. (Green seed.) Also called Apple Pie.....	10	25	75
Green Citron. (Red seed.) Round and handsome; for preserving only....	10	20	65



MUSHROOMS MEASURING OVER SIX INCHES ACROSS, GROWN FROM JOHNSON'S ENGLISH MILLTRACK SPAWN.

JOHNSON'S ENGLISH MILLTRACK MUSHROOM SPAWN

Mushrooms are easily grown in a warm cellar or shed, in a temperature of 50 to 60 degrees (see our leaflet for preparing the beds and cultivation).

Our celebrated English Milltrack brand (made by the best maker in England specially for our trade) has gained an enviable reputation. Per brick, 1½ lbs., 15c (bricks, postpaid, 35c); 10 lbs, \$1.00; 100 lbs., \$9.00; 1,000 lbs. and over, 8c per lb. (250 lbs. sold at 1,000-lb. rate).

MUSTARD

One ounce will sow about seventy-five feet of drill.

Southern Giant Curled. Highly esteemed in the South, where the seed is sown in the fall, and used in the spring as a salad. Our stock is the true curled leaf, and produces plants 2 feet high, and of greater breadth, forming enormous bunches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

New Chinese. Leaves twice the size of the ordinary White Mustard, crimped like a Savoy cabbage; stems more succulent; flavor pleasantly sweet and pungent. In six weeks from the time of sowing, the leaves are eaten boiled like spinach, and the plants will continue to yield until frost sets in. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

White London. The old sort, used for salads and flavoring. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Black or Brown. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

MARTYNIA

Martynia Proboidea. The best and most productive variety for pickling. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

NASTURTIUM—Indian Cress

Tall. The best for pickling seed pods, or garnishing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Dwarf Mixed. A trailer requiring no support. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

OKRA—Gombo

One ounce will plant one hundred hills.

Kleckley's Favorite Okra

A new sort, growing 2½ to 3 feet in height. The pods are white and smooth, about 6 inches in length by 1½ inches in diameter, *exceptionally tender and fleshy*. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

White Velvet. This distinct and beautiful new okra was originated in Georgia. The pods are very large; perfectly smooth; never prickly; round, not ridged or square as in other okras. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



A SECTION OF FIELD TRIALS TESTING EUROPEAN NOVELTIES.

PERKINS' MAMMOTH LONG PODDED OKRA



PERKINS' MAMMOTH LONG GREEN PODDED OKRA.

This distinct new okra is by far the best. It was originated by M. B. Perkins, a well-known New Jersey trucker, after many years of careful study and selection. Its productiveness is simply wonderful. The pods shoot out from the stalk within 3 inches of the ground, and the whole plant is covered with them to the extreme height of the plant. The pods are an intense green color, of unusual length, 8 to 9 inches, very slim, and do not get hard, as is the case with other okras. It is also much sought after by canners, being the best of all green sorts for canning for winter use. Our seed is grown by the originator. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c., postpaid; by freight or express, lb., 60c.; 5 lbs. and over, 50c. per lb.

Lady Finger.

Fine new variety from the South. Very productive of extra long slender pods of fine round form, white and smooth. If used in its early state of growth, it will be found exceptionally tender and choice. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Dwarf Green Prolific, or Density. A distinct variety, growing about 14 inches in height. Very productive of fine, smooth pods. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



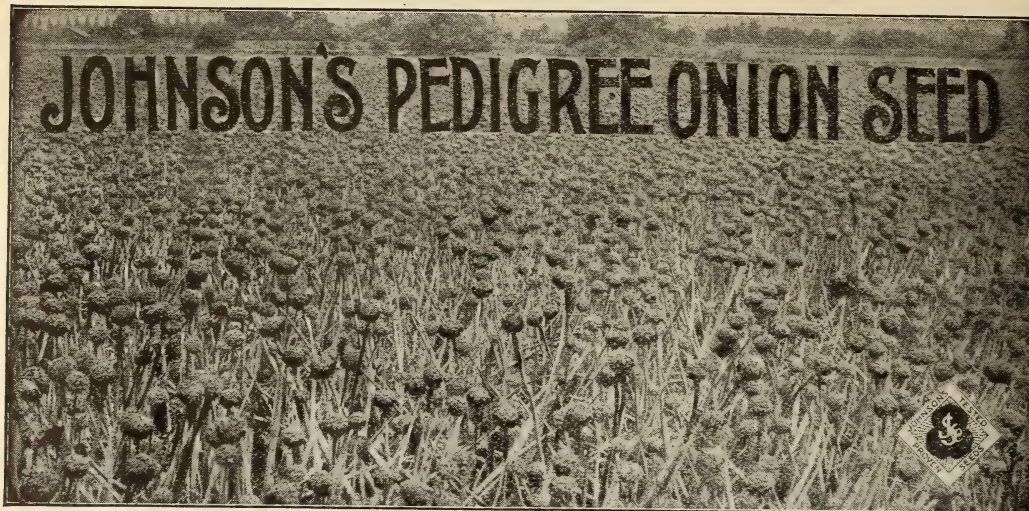
The Most Profitable Investment that can be made

is the trifling excess in the cost of tested seeds over those of inferior grades.

Johnson Seed Company

- Philadelphia, Pa.

JOHNSON'S PEDIGREE ONION SEED



Section of field of JOHNSON'S NEW LONG-KEEPING PRIZETAKER ONION, just before harvesting the seed. See photograph and testimonials, page 12.

There is no vegetable in which the quality of the seed exerts a greater influence upon the crop than in onions. Our stock is all grown from choice bulbs, selected by hand, and is unsurpassed in this country. During our whole business career as seedsmen, it has always been our aim to make quality a first consideration, price afterwards, and in no one crop have we met with greater reward than in onions.

One ounce will sow 100 feet of drill. To grow large onions from seed, 5 pounds to the acre; to grow small sets, 50 to 60 pounds to the acre are required. For full information for culture, storage and marketing onions and onion sets, see our **New Leaflet-Essays** on this subject, which will be sent free with all orders for onion seed, when requested.

About Prices

Not for several years have we had such a good crop of fine plump, high germinating onion seed as in 1914. We are, therefore, able to make unusually favorable prices.

Philadelphia Yellow Dutch, or Strasburg Onion

The most popular variety for sets, grown so extensively by market gardeners around Philadelphia. The sets of this variety grow round, plump and bright. Full-sized onions are somewhat flattened, flesh white, mild flavor and an excellent keeper. Skin bright yellow. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35, postpaid; by express or freight, lb., \$1.25; 5-lb. lots, \$1.20 per lb.; 10 lbs. and over, \$1.15 per lb.

Minnesota Globe Onions

Seed Grown in Minnesota by Originator

These are new true globe onions of the finest and most select type, so called to distinguish them from all other stocks of red and white globe onions, differing in earliness, productiveness, perfection of shape and long-keeping qualities. From reports of customers and our trials with them, we believe them to be the onion of the future for the Northern States.

Minnesota Globe Wethersfield Red Onion.

Per pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Minnesota White Globe Onion. Per pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

True Round Yellow Danvers Onion

Our superior stock of this celebrated variety is of fine round shape. It grows to good size, with thin yellow skin, white flesh, fine grained and excellent quality. It ripens early, keeps well and is very productive. This variety is catalogued by many seedsmen as Yellow Globe Danvers, which is a misnomer. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.20, postpaid; by express or freight, lb., \$1.10; 10 lbs. and over, \$1.00 per lb.

Southport Globe Onions

Johnson's Superior Connecticut-Grown Seed

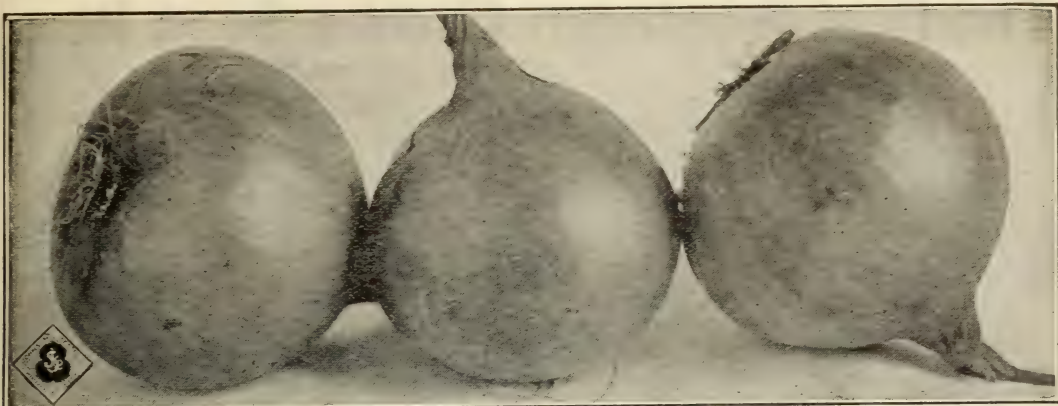
There is a marked superiority in the Eastern-grown types of the Globe Onions, commonly known as the Southport strains, over the Western-grown types. That our seed of these important varieties is from highly bred and carefully selected types is attested by the numerous letters we have received from the most critical onion growers.

Southport Large Yellow Globe. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Southport Large Red Globe. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.65.

Southport Large White Globe. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

For uniformity, productiveness, deep globe shape, sure ripening and fine keeping qualities, plant
JOHNSON'S CONNECTICUT-GROWN SOUTHPORT GLOBE or MINNESOTA GLOBE ONIONS



Photograph of average specimens JOHNSON'S PHILADELPHIA YELLOW GLOBE DANVERS, grown from our Pedigree Seed

JOHNSON'S PHILADELPHIA YELLOW GLOBE DANVERS

Do Not Confound with the Ordinary Yellow Globe Danvers of Other Growers

This improved variety is pronounced by onion growers, who now grow it in preference to all other onions, the very best strain in cultivation. It is the earliest yellow globe variety, with the exception of Johnson's New Early Yellow Globe Onion, illustrated and described on page 12, but is larger in size, uniformly perfect in shape and the largest cropper, producing from seed 1,000 bushels to the acre with good cultivation. It is also the most reliable for bottoming, and one of the best keepers of all onions. Best crop of seeds we ever grew, see page 11 and back of book. Pkt. 10c.; oz., 25c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75, postpaid; by freight or express, lb., \$1.65; 5 lbs., \$8.00; 10 lbs. and over, \$1.50 per lb.

A Select List of other Standard American ONIONS

Large packets of any variety, 5c. each, except where given.
If ordered sent by express or freight, deduct 10c. per lb.
In 5-lb. lots and over, 15c. per lb. may be deducted.

	Per Oz.	$\frac{1}{4}$ Lb.	Lb.
Johnson's New Early Yellow Globe. Two weeks earlier than Southport; handsome, rich orange; fine shape and quality. Pkt., 10c.....	\$0 20	\$0 60	\$2 00
Mammoth Prizetaker. (Old strain.) Large, handsome yellow.	15	40	1 40
Johnson's Long-Keeping Prizetaker. Very superior to the old Prizetaker, keeping equal to Globe Danvers. Pkt., 10c.....	25	50	2 00
Ebenezer. (New.) Large, handsome, rich brown globe, a marvelous keeper in qualities, fine uniform shape and color. Pkt., 10c.	30	85	3 00
Australian Brown. New long keeper; early; fine quality; distinct color....	15	45	1 50
Morse Brown Globe. (New.) Deep globe, deep brown skin, fine keeper.....	20	50	1 75
Philadelphia Extra Early Red Flat. Very early; makes fine sets. (10 lbs., \$14.00)	20	50	1 60
Extra Early Red Globe Danvers. (New.) The earliest and best early red globe	25	65	2 25
Johnson's Dark Red Beauty. Much deeper and richer color than any other; the finest strain of red onion in the world.....	30	75	2 75
Extra Large Red Wethersfield. The most popular red sort. A fine keeper. We have an unusually large extra fine strain.....	15	45	1 40
American Extra Early Pearl. The earliest of all white onions; very large..	20	60	2 00
Philadelphia White Silver Skin, or Portugal. The best white onion for sets	20	60	1 75
White Bunch. Very early; one of the best for bunching in a green state..	25	70	2 50

THE BEST FOREIGN ONIONS

Red Bermuda. Very early; genuine Teneriffe seed, freshly imported.	25	75	2 75
White Bermuda. Freshly imported from Island of Teneriffe.....	25	90	3 25
Hard Round Silver Skin. The best for pickling; uniform, small, round bulbs	20	65	2 25
White Queen. Very early; grows rapidly; mild flavor; remarkable keeper..	20	50	1 75
White Adriatic Barletta. Earliest, neatest and smallest; valuable for pickling	20	50	1 75
Mammoth Silver King. Handsome white flat onion, reaching enormous size.	20	50	1 75

CHOICE PHILADELPHIA-GROWN ONION SETS

Philadelphia-grown onion sets are the best in the world. They are hard, solid and good keepers. Prices vary with the market. We are headquarters. Write for prices in bushel and barrel lots.

PHILADELPHIA YELLOW DUTCH, or STRASBURG, and PHILADELPHIA YELLOW DANVERS ONION SETS; each, per qt., 20c.; qt., by mail, postpaid, 30c., bushel, about \$3.50.

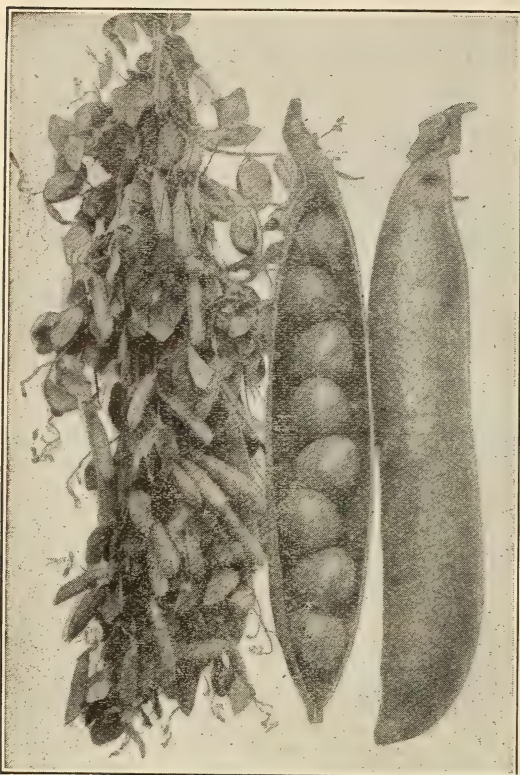
PHILADELPHIA EXTRA EARLY RED SETS; per qt., 25c.; qt., postpaid, 35c.

EBENEZER ONION SETS. (New.) See seed above. Per qt., 30c.; qt., postpaid, 40c.

PHILADELPHIA WHITE, or SILVER SKIN SETS; per qt., 25c.; qt., postpaid, 35c.; bush., \$3.75.

POTATO and WHITE MULTIPLIER ONION SETS; each, per qt., 25c.; qt., postpaid, 35c.

The Best Northern Grown Seed Peas



A SINGLE VINE WITH PODS NATURAL SIZE, ALONGSIDE OF
JOHNSON'S RECORD EXTRA EARLY PEA.

One quart will plant 100 feet of drill. One and one-half to two bushels will plant one acre.

The hard, round, smooth Peas, like Johnson's Record Extra Early and Alaska, are harder than the wrinkled sorts.

Johnson's Record Extra Early Pea

First introduced in 1898, is still in the lead as the earliest of all peas and most popular with truckers. It has produced good edible peas in forty-seven days from planting, a record that has never yet been beaten. It is the most uniform in ripening. A single picking will secure the entire crop. The heaviest cropper, containing one to two more peas per pod than any other first early. Height, 2 feet. Pkt., 10c; pint, 30c; qt., 55c, postpaid; by express or freight, qt., 40c; peck, \$2.25; bush., \$7.50.

Large Podded Alaska Pea

A new and valuable strain from Canada of the popular Alaska Pea. The blue seed is the same as Alaska, and the vines grow to the same height, but more vigorously, and produce fully as early, large, deep green pods of almost double the size. Pkt., 10c; pint, 35c; qt., 60c, postpaid; by express or freight, qt., 45c; peck, \$2.00; bush., \$7.00.

Sutton's Excelsior Pea

This new pea takes the place in the Extra Early class that is now so acceptably filled by Stratagem and Telephone in the later sorts. It grows to a height of about 14 inches, showing a great abundance of its long, broad, straight pods of a pale green color. Pkt., 10c; pint, 35c; qt., 60c, by mail, postpaid; by express, qt., 45c; peck, \$2.25; bush., \$7.00.

PEAS—Extra Early Varieties

Each of the following, 10c per large packet

We furnish $\frac{1}{2}$ pecks at peck rates. Those marked with a (*) are wrinkled varieties.

Johnson's Extra Early. The popular old and fine standard. Alaska. One of the earliest and most popular blue peas..

New Prolific Early Market. About a week later than Johnson's Record Extra Early, bearing heavily of large pods

First and Best. Very early; popular for market and shipping

Philadelphia Extra Early, Dan O'Rourke, Hancock. Each..

***Thomas Laxton.** The finest early wrinkled pea, superior in earliness and hardiness to Gradus; pods fully as large; enormously productive.....

***Gradus, or Prosperity.** Magnificent new, large podded sort

***Nott's Excelsior.** An improvement on American Wonder.

***American Wonder.** Well known and very popular.....

***McLean's Little Gem.** Very prolific; a garden favorite.....

***Extra Early Premium Gem.** Long, well filled, prolific pods

PEAS—Second Early and Medium

***Johnson's Second Early Market Garden.** Best and surest cropper, produces more pods than any other.....

***McLean Advancer.** Fine standard sort; of excellent quality

***Abundance.** Long, round, well-filled pods; very prolific..

***Horsford's Market Garden.** Style of Advancer; very prolific

***Heroine.** Large, full pods; productive; quality perfect...

Improved Fillbasket. Excellent; one of the best for market

Height in Feet.	By Mail, Postpaid.		By Express Freight.		
	Pint.	Qt.	Qt.	Peck.	Bush.
2	\$0 30	\$0 50	\$0 35	\$1 75	\$6 50
2	30	50	35	2 25	6 25
2	30	50	35	2 25	7 50
2 $\frac{1}{2}$	30	50	35	2 50	7 00
2 $\frac{1}{2}$	30	50	35	2 25	7 00
2	40	75	60	3 00	10 00
2 $\frac{1}{2}$	40	75	60	2 60	9 00
1	30	55	40	2 00	7 00
$\frac{3}{4}$	30	55	40	1 75	6 50
1	30	50	35	1 75	6 50
1 $\frac{1}{2}$	30	50	35	1 75	6 50
2	30	50	35	2 50	7 00
2 $\frac{1}{2}$	30	50	35	2 50	7 00
1 $\frac{1}{2}$	30	50	35	2 00	7 00
2	30	50	35	2 20	7 00
2 $\frac{1}{2}$	30	50	35	1 75	1 25
3 $\frac{1}{2}$	30	50	35	1 75	6 50



Photo of a single plant of the DAINTY DUCHESS.

New English Pea "Dainty Duchess"

The largest podded of all. The pease are also very large, borne eight to ten to a pod, and their delicious sweet flavor is unsurpassed by any other known pea. They are ready for picking ahead of either Improved Stratagem or Telephone, and while the vine grows only a little more than half the height of the latter, it will produce almost double the number of both pods and peas. Notwithstanding it was only first introduced into this country by us three years ago, it has already become one of our best-selling second early and main crop peas. Pkt., 15c; pint, 40c; qt., 60c, by mail, postpaid. Prices by freight or express, qt., 50c; peck, \$2.75; bush., \$8.50.

PEAS—Late or Main Crop Varieties

Each variety in large packets, at 10c each

We sell $\frac{1}{2}$ pecks at peck rates. Those marked with a (*) are wrinkled varieties.

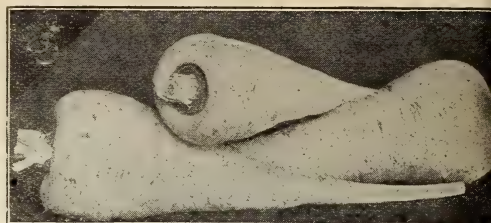
- *Duke of Albany. (American Champion.) Immense pods
- *Improved Stratagem. Large, full pods; quality fine....
- Long Island Mammoth, or Telegraph. Large pods and peas
- *Telephone. Enormous pods and peas of first quality; prolific
- *Carter's Danby Stratagem. New pea from England. A great improvement on old Stratagem; more uniform
- Pride of the Market. Our greatly improved uniform strain
- *Champion of England. Well-known standard variety..
- *New Dwarf Champion. A dwarf champion of England..
- New Senator. Large, fine pods.....
- *Alderman. One of the best; very large pods.....
- *Bliss' Everbearing. Peculiar branching vine; peas large
- *Yorkshire Hero. A spreading variety, very productive..
- *Edwin Becket. A vigorous growing English pea, with pods almost as large as Gradus, but later.....
- Royal Dwarf White Marrowfat. A favorite for market..
- Black-Eyed Marrowfat. Very hardy and prolific; poor quality
- Canadian Field. Grown with oats for fodder, also for pigeons
- New Mammoth Podded Prolific Sugar. Largest and best of the edible podded sorts; broad, fleshy, tender pods

Height in Feet.	By Mail, Postpaid		By Express or Freight.		
	Pkht.	Qt.	Qt.	Peck.	Buse.
4	\$0 30	\$0 50	\$0 35	\$2 00	\$7 00
2	30	50	35	2 00	7 00
3½	30	50	35	2 00	6 75
4½	30	50	35	2 00	7 00
2	30	50	35	2 00	6 50
1½	30	50	35	2 00	7 50
5	30	50	35	2 00	7 50
2	30	50	35	2 25	7 75
2	30	50	35	2 50	7 00
4	30	55	40	2 00	7 00
2	30	50	35	2 00	7 00
3	30	50	35	1 75	6 50
3	30	50	35	2 00	7 00
2½	30	50	35	2 00	6 50
3	20	40	25	1 50	4 00
5	20	30	15	1 00	3 50
3	65	1 15	1 00	2 50	9 00



A single plant of MARKET GARDENERS' BEST. The best parsley for either the market or family garden.

Oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10; 5 lbs. by express, \$5.00



JOHNSON'S IDEAL HOLLOW CROWN PARSNIP



RUBY KING PEPPER. NEW CHINESE GIANT PEPPER.

PARSLEY—Seed Grown from Transplanted Plants

One ounce will sow one hundred and forty feet of drill.

Large packets of any of the following varieties, 5c. each.

Emerald, or Dwarf Extra Curled. Very handsome, bright green color.....	\$0 10	\$0 35	\$1 00
Extra Double Curled. Extra fine dwarf, crimped leaves.....	10	30	1 00
Hurst's Dwarf Garnishing. Free from single leaves, vigorous grower....	15	40	1 40
Market Gardeners' Best. The finest garnishing parsley in cultivation. Most popular standard variety, standing heat, drought and cold better and yielding double that of any other. (5 lbs. and over, by express, \$1.00 per lb.).....	15	30	1 10
Champion Moss Curled. Extra fine strain, very dark green (5 lbs., \$5.00) ..	15	35	1 10
Plain, or Single. The ordinary form, with plain leaves.....	10	30	1 00
Hamburg, or Turnip-rooted. Grown only for its edible roots, for soups, etc.,	15	40	1 25

PARSNIP

One ounce will sow about two hundred feet of drill; 5 lbs. will sow one acre.

Ideal Hollow Crown. (New.) Improved Philadelphia strain, roots very smooth and handsome; not so long as the old Hollow Crown; of larger, diameter and more easily gathered. By far the best and heaviest cropper. See photograph above. Pkt., 5c. (5 lbs., by express, \$3.25).....

Long Smooth Sugar. (Hollow Crown.) The old standard sort. Pkt., 5c....

15	20	75
10	20	70

PEPPERS

One ounce will sow one hundred yards of row.

We supply Peppers in regular large-sized packets, at 10c. per packet.

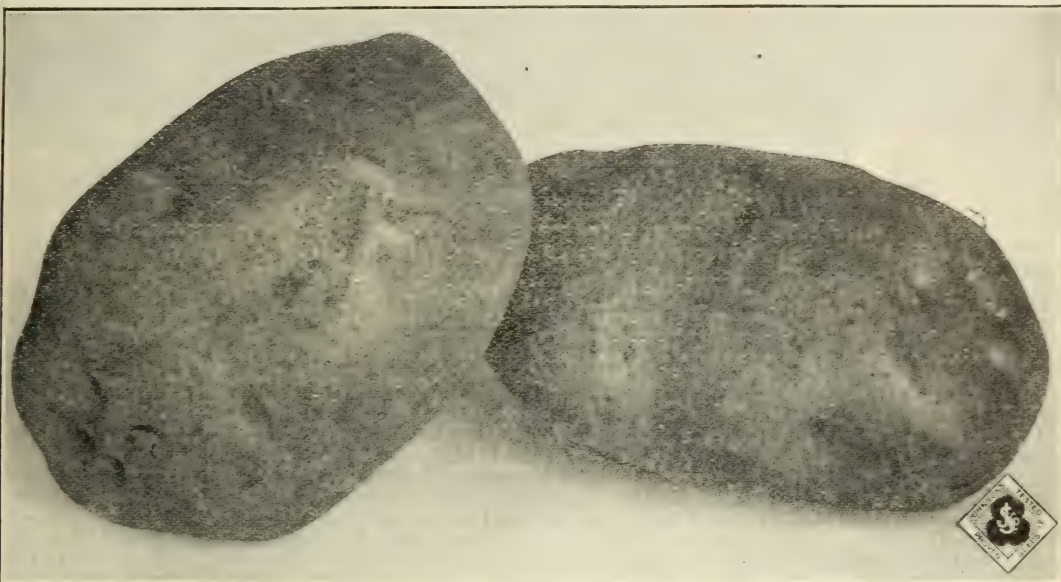
Ruby King. Very early; large, bright red fruit. One of the best.....	25	75	2 50
New Ruby Giant. Cross between Chinese Giant and Ruby King. See page 10	40	1 00	3 00
New Chinese Giant. Largest pepper known, excepting new Ruby Giant....	45	1 50	5 00
Large Sweet Bell, or Bull Nose. Very popular old standard sort; mild.....	25	90	3 00
Mammoth Golden Queen. The largest and best of all the yellow peppers. Very showy; 5 to 6 inches long; best mild pepper for stuffing.....	30	1 00	4 00
New Neapolitan. Something extra fine; very early, medium size, grows upright very smooth, sweet and mild, bright red color.....	30	85	3 00
Tomato-Shaped. Upright in growth, very prolific; scarlet.....	30	85	3 00
Long Red Cayenne. True, long, narrow; hot, pungent and very productive..	25	1 00	3 00
True Red Chili. Small, hot, bright red peppers, very productive.....	25	70	2 50
Red Cherry. Small, cherry-shaped, largely used for pickles.....	25	70	2 50
Bird's Eye, or Creole. Smallest red pepper; extremely hot.....	30	85	3 50

Northern Grown Seed Potatoes—SELECTED FOR SEED

RENEW YOUR SEED AND REALIZE EARLY MATURITY AND PRODUCTIVENESS

Prices quoted are for barrel sacks of 165 pounds each. We pack in full-sized double-headed barrels at 25c higher than prices here quoted. Special prices by letter on lots of five barrels and over.

PLEASE NOTICE As prices are subject to market fluctuations, we would request that our customers send in their orders as soon as possible. All orders will be promptly acknowledged and potatoes forwarded as soon as weather permits, in time for Spring planting. Customers residing South can have them shipped at most any time during the Winter.



JOHNSON'S FLOUR BALL POTATO

VERMONT GOLD COIN POTATO

New Extra Early Potato—JOHNSON'S FLOUR BALL

Originated in Northern New York, and one of the very earliest, being 10 days to 2 weeks earlier than Early Rose, a surer and heavier cropper, and the best in quality we have ever grown. Skin and flesh pure white, almost round, as shown in our photograph above. We think all who grow it will agree with us in pronouncing it the most valuable first early potato yet introduced. Per lb., 35c; 3 lbs. for 90c, by mail, postpaid. By express or freight, per peck, 75c; bush., \$2.25; bbl. sack (165 lbs. net), \$5.00.

STANDARD SORTS—Three barrels, 8 to 9 bushels, are required to plant one acre. Prices quoted are subject to market fluctuations.

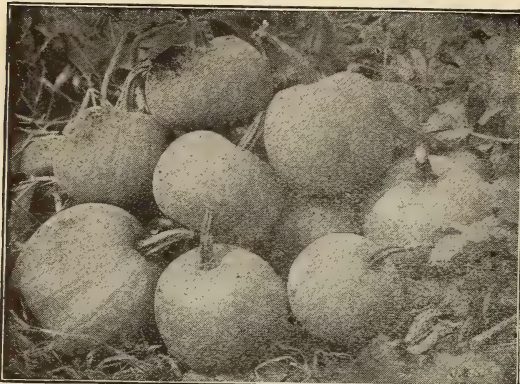
	Peck.	Bush.	Bbl.
True Houlton, Maine, Early Rose. Pure and genuine, very fine and early...	\$9 75	\$2 00	\$4 00
Early Beauty of Hebron. Popular early sort, of excellent quality; productive,	75	2 00	4 00
Early Thoroughbred. Earlier than Rose. More productive; light pink.....	75	2 00	4 00
Bovee. Earlier than Early Ohio. Very prolific; fine marketable size; mealy.	75	2 00	4 25
Eureka Extra Early. Earliest of new sorts, regular shape, smooth white skin,	75	2 00	4 25
Uncle Gideon's Quick Lunch. Extra early; round; productive; good keeper..	75	2 25	4 50
Crown Jewel. Very early, fine and productive; pink, (These three varieties are	75	2 25	4 50
Bliss' Triumph, or Stray Beauty. Early, round, red, (the most popular of all	75	2 00	4 25
Pride of South, or White Bliss. Early, round, white, (with Southern truckers.)	75	2 25	4 50
Irish Cobbler. Round, chunky, 80-day sort; popular for home market.....	75	2 25	4 50
Vermont Gold Coin. Fine new main crop potato; white skin; very productive,	75	2 25	4 50
Rural New Yorker, No. 2. Fine for main crop; large, white, smooth, prolific,	75	2 00	4 25
State of Maine. Heavy cropping late oval variety; white skin and flesh....	75	2 00	4 00
Carman, No. 1. Fine medium or intermediate; very large, shallow eyes; white	75	2 00	4 00
Green Mountain. Shape, oval; white skin; big cropper and splendid cooker,	75	2 00	4 00

Seed Sweet Potatoes—New Jersey Grown

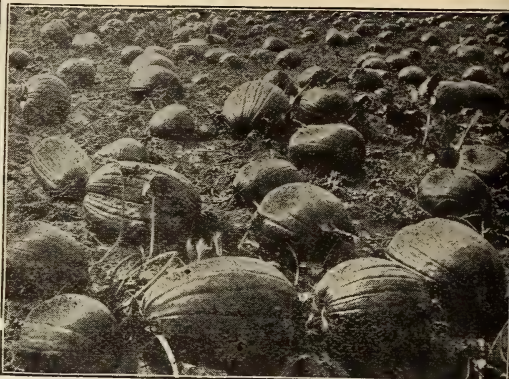
We pack with greatest care; but, as they are very susceptible to climatic changes, customers must take **ALL RISKS**. We do not ship until about planting time unless specially ordered to do so. Full directions for bedding and sprouting the seed, setting out and cultivating sweet potato plants, also harvesting and storing for Winter, will be found in our new Leaflet Essays on Sweet Potato Culture, which we will send free with all orders when requested.

Extra Early Carolina, Jersey "Up-Rivers," Early Nansemond. These are the three varieties most universally grown in New Jersey for Philadelphia markets. Peck, 75c; bush., \$2.50; bbl., \$4.00.

Plants ready in May, 50c per 100, postpaid; by express, 85c per 100; \$2.50 per 1,000.



NEW WINTER LUXURY PUMPKIN. Excellent for pies.
Fine winter keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c



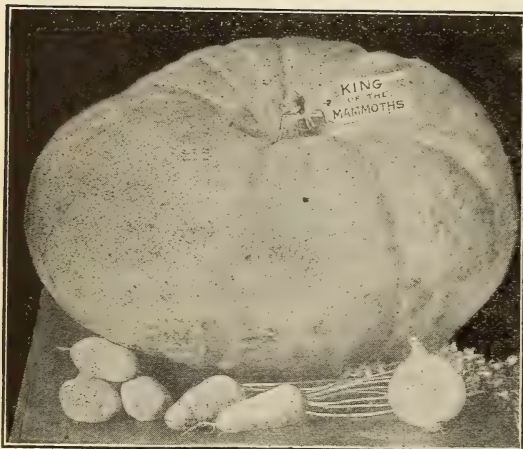
Field of BIG TOM PUMPKINS. Over 20 tons to the acre.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c.

PUMPKINS—A Select List of Standard Sorts

One pound will plant two hundred to two hundred and fifty hills; four to six pounds plant one acre.
Large packets, 5c. each.

Cashaw, or Crook Neck. The old standard and popular Crook Neck Cashaw.
Improved Green Striped Cashaw. Improvement on White Cashaw; green and white striped; flesh rich yellow, solid, fine grained, very thick and sweet . . .
New Mammoth Golden Cashaw. The best Cashaw. Skin and flesh rich orange,
Nantucket Sugar, or Negro. A New England variety with dark green skin . . .
Small Sugar. Early, prolific; very thick sweet flesh; orange color; fine keeper,
Tennessee Sweet Potato. Bell-shaped; white flesh, very thick and sweet . . .
New Winter Luxury. Golden yellow, finely netted; shape round; flesh very rich; productive and unequalled as a winter keeper and cooking variety . . .
Quaker Pie. Shape nearly oval. Cream-colored skin and flesh; fine quality . . .
Calhoun Pumpkin. Nearly round, somewhat flattened on the ends; skin creamy brown; flesh deep salmon yellow, thick, fine grained, excellent for pies, etc. . .
Mammoth Bright Red Etampes. Glossy red, flat, growing very large. Pkt., 10c.,
Mammoth Tours, or Citrouille. Very large; used in France for feeding cattle,
Large Sweet Cheese, or Kentucky Field. Light yellow, productive and popular,
Common Yellow, or Connecticut Field. Very productive; grown largely for feeding stock (by express or freight, 10 lbs. for \$2.25; bush., 25 lbs., \$5.00),

Per oz.	$\frac{1}{4}$ lb.	Per lb.
\$0 10	\$0 30	\$0 90
10	30	90
10	30	90
10	25	85
10	20	70
10	30	90
10	25	90
10	25	90
10	20	75
20	30	1.00
10	25	85
10	20	60
5	10	35



KING OF THE MAMMOTHS PUMPKIN. Photographed with Potatoes, Carrots and Onion for comparison as to size.

BIG TOM FIELD PUMPKIN

This new pumpkin is the result of many years' selection from the old Golden Marrow or Michigan Mammoth Pumpkin. So carefully has the selection been made, that the Big Toms will run uniformly to more than twice the size and weight. See photograph above. Skin and flesh are of a deep, rich orange color, of excellent flavor for pies, etc., cooking soft and tender. For canning, table use and stock feeding no more profitable or better variety can be grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c.

KING OF THE MAMMOTHS

The Greatest of all Exhibition Pumpkins

No other ever introduced has reached such enormous weights, often 150 lbs. and over, and been awarded as many prizes. The flesh and skin are golden yellow, and notwithstanding its enormous size, it makes a good table and pie pumpkin. Price, pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

A Special Collection of Mammoth Pumpkins for 15 Cents

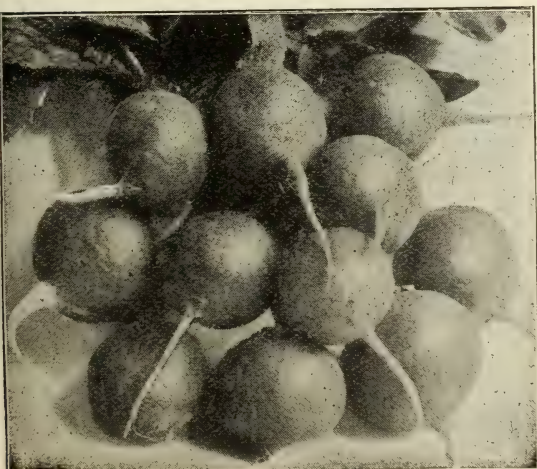
As an extra inducement for customers to give our Mammoth varieties a trial, we will send, free by mail, one packet each, King of Mammoths, Mammoth Bright Red Etampes, Mammoth Tours, and Big Tom, giving a magnificent collection of 4 great Mammoth Varieties for only 15 cents.

THE BEST EARLY AND SUMMER RADISHES

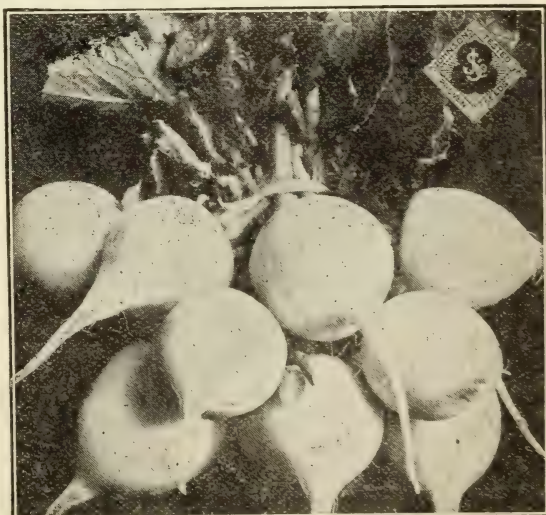
We supply large packets of any variety at 5c. each.

Per Oz.	¼ Lb.	Lb.
\$0 10	\$0 20	\$0 65
10	25	75
10	25	90
15	30	1 00
10	30	90
10	20	65
10	25	80
10	25	90
10	20	70
10	20	70
10	25	75
10	25	85
10	25	75
10	20	75
10	20	65
10	25	75
10	20	65
10	25	75
10	20	65
10	20	75
10	20	75

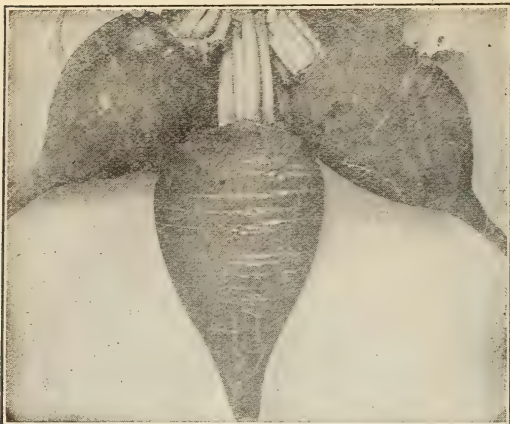
Extra Early Scarlet Turnip. Old standard; early; small round (5 lbs., \$2.50)
Earliest Round Dark Red. (Scarlet Button.) Good forcing sort.....
Startle, or Twenty-Day Forcing. (Red Rocket.) Earliest half-long red....
Johnson's Earliest. Extra fine Philadelphia market garden strain
Crimson Giant Forcing. Large for forcing or equally good for outdoor
Scarlet Turnip White Tipped. Very popular (5 lbs. and over, 50c. per lb.)..
Rosy Gem, or Rapid Forcing. Resembles above in color; a week earlier....
Double Quick White Forcing. (New.) Very early; handsome long white...
White Icicle. Finest and longest of very early pure white varieties.....
Felton's Model White Box. Very early; good shape; tender. A good seller.
French Breakfast. Olive-shaped; red, tipped with white; very handsome...
Olive-Shaped Golden Yellow. Earliest yellow; fine for early or summer....
Newcom. Earliest, best and largest half-long white (5 lbs., \$3.25, by express)....
Philadelphia Gardeners' Long Scarlet. A great improvement on Long Scarlet;
 let; earlier; shorter top; better shape and color; fine keeper (5 lbs., \$3.25)
Cincinnati Market. Long scarlet type; straight. smooth; very small top....
Long Brightest Scarlet, White Tipped. (Long Cardinal.) French sort.....
Chartier, or Shepherd. Large, long summer radish; scarlet; white tip.....
New White Chartier. An improvement on above; earlier; more salable....
White Strasburg. Most popular and best half-long summer (5 lbs., \$3.25) ..
Lady Finger, or Long White Vienna. One of the best (5 lbs., \$2.50).....
Large White Summer Turnip, or Globe. Popular old standard (5 lbs., \$2.50),
Improved Large Yellow Summer Turnip. Improved shape, fine (5 lbs., \$2.50)....



SCARLET OR CARDINAL GLOBE. French grown. Best for greenhouse. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

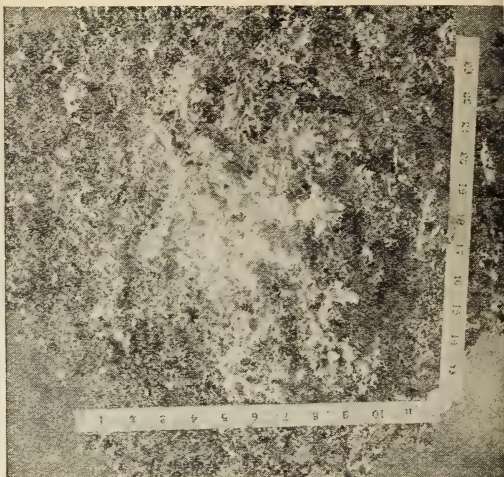


NEW EARLY SNOW-WHITE BOX. The very earliest and best round white radish. Oz., 10c.; ¼ lb., 20c.; lb., 75c.



IMPROVED HALF-LONG BLACK SPANISH RADISH. (NEW.)

One of the best for late summer and autumn planting. Flesh mild, sweet and never pithy. If stored in damp sand in the cellar they will keep all winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c., postpaid; lb., 80c., by express.



MAMMOTH GREEN CURLED ENDIVE See Page 28.

All Seasons and Winter Radishes Packets, 5c. each.

New Round Scarlet Chinese. Valuable either as a winter or summer radish
New Celestial, or White Chinese. Very large. Valuable for summer or winter
China Rose Winter. One of the best and most popular for winter use
Round Black Spanish. Fine globe-shaped winter; popular with Germans..
Long Black Spanish. Large winter variety; very hardy, keeping until spring

Per Oz.	$\frac{1}{4}$ Lb.	Per Lb.
\$0 10	\$0 30	\$1 00
10	30	1 00
10	20	70
10	20	70
10	20	70

RHUBARB OR PIE PLANT

Large Victoria. An excellent cooking variety; selected seed (pkt., 5c.)
Rhubarb Roots. Early Strawberry and Victoria. Each, per large root, 15c.;
 doz., \$1.00; 100, \$4.00, by express; by mail, postpaid, 20c. each; \$1.50 per doz.

15	40	1 40
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SALSIFY OR OYSTER PLANT—Haferwurz

Mammoth Sandwich Island. By far the largest and best for market or home..

15	40	1 50
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SPINACH—Spinat

One ounce will sow one hundred feet of drill. Twelve pounds will sow one acre. Large packets, 5c. each. If by express, deduct 10c. per lb.

American Round-Seeded Savoy, or Bloomsdale. Most popular for market..

New Victoria. Extra dark, black-green color, splendid for spring sowing..

Parisian Long Standing. Will stand 2 weeks longer without running to seed.

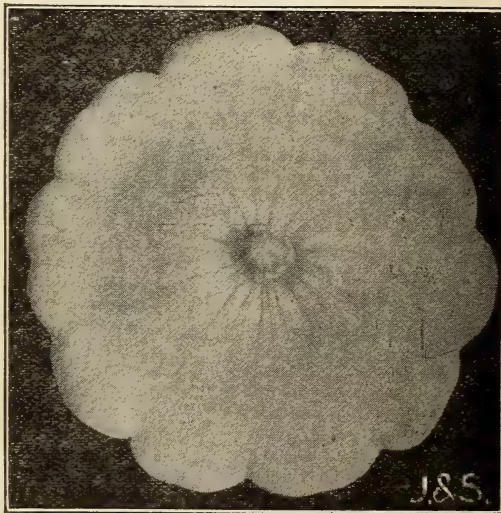
Henderson's Long Seasons. See Novelties, Page 11

Giant Thick Leaved. (Improved Viroflay.) Large, dark green leaves.....

10	15	35
10	15	40
10	15	40
10	15	45
10	15	40

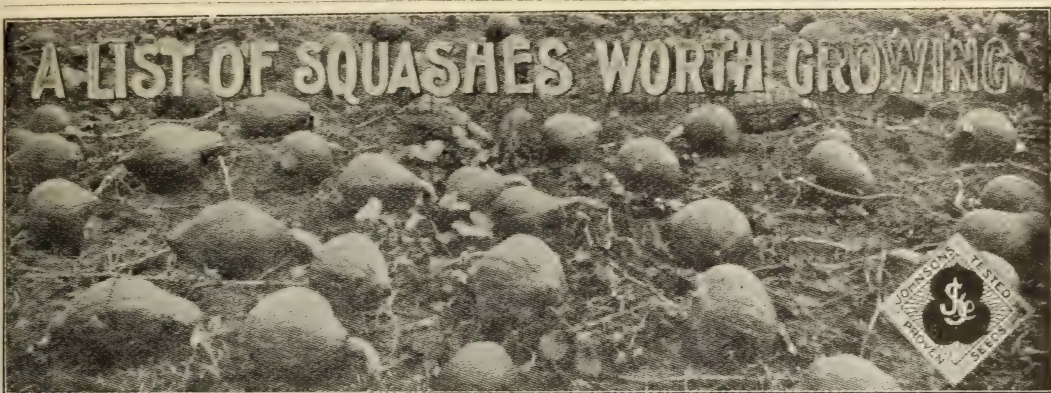


PARISIAN LONG STANDING SPINACH.
 Showing its strong growth.



NEW EXTRA EARLY JERSEY WHITE BUSH.
 The earliest squash.

A LIST OF SQUASHES WORTH GROWING



Section of our field of RED OR GOLDEN HUBBARD SQUASHES, growing for seed. This new variety is as fine in quality and even more productive than the old original Hubbard. Choice seed, per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.15

One ounce will plant twenty to forty hills. Four to six pounds will plant one acre.
Large packets of any of the following varieties, 5c each.

THE BEST SUMMER SQUASHES

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
White Bush Scallop. The well-known white Patty Pan (5 lbs., \$2.75, by express)	\$0 10	\$0 25	\$0 85
Mammoth White Bush (Silver Custard). Grows to twice the size of above..	10	25	85
New Extra Early Jersey White Bush. An improved extra early strain of the old White Bush. Selected and improved by a New Jersey grower. Very productive and shows less ridge or scallop, containing a larger amount of flesh.....	10	30	85
Early Golden, or Yellow Bush. Differs from White Bush only in orange color	10	20	75
Golden Custard. Very large Golden Yellow Bush; fine for market.....	10	20	75
Giant, or Mammoth Summer Crookneck. Very fine; best of the Crooknecks..	10	30	90

FALL AND WINTER SQUASHES

Boston Marrow. Bright orange; skin and flesh of very superior quality; a splendid Winter keeper and most popular for Autumn use and canning..	10	20	60
Early Prolific Orange Marrow. Earlier than Boston Marrow; very productive	10	25	75
New Golden Bronze. Fine. Flesh golden-yellow; tender. Excellent keeper..	10	25	75
Hubbard. The old favorite; popular Winter squash; dark green skin; rich flesh	10	30	1 00
Red, or Golden Hubbard. A perfect type of its parent, with red skin.....	10	35	1 15
Chicago Warty Hubbard. Improvement on Hubbard; skin heavily warted..	10	30	1 00
Fordhook. Early, sweet and dry; also a good Summer variety; form oblong.	10	30	1 00
Mammoth Chili. The Jumbo of all squashes, often weighing 200 pounds...	15	35	1 00

Johnson's Vegetable Plants

GROWN FROM JOHNSON'S TESTED AND PROVEN SEEDS

Try our POTTED EGG and TOMATO PLANTS. They are all grown cool and stocky. If wanted in quantity, write for special prices.

EARLY CABBAGE PLANTS.

Johnson's Very Earliest, Johnson's Jersey

Wakefield, Johnson's Quick Cash and other leading varieties. For April and May delivery. Transplanted. 50c per 100; \$2.50 per 1000.

LATE CABBAGE PLANTS. Johnson's Matchless Late Flat Dutch, Drumhead and other standard varieties. Ready July 1st. 25c per 100; \$1.60 per 1000.

CAULIFLOWER PLANTS. Pearl of Denmark, Early Alabaster and Snow Ball. Ready in April. Potted, 50c per dozen; \$4.00 per 100. Transplanted, 25c per dozen; \$1.50 per 100.

CELERY PLANTS. Ready July 1st. Johnson's Winter Queen, Golden Self-Blanching, White Plume, Pascal, etc. 40c per 100; \$3.00 per 1000.

SWEET POTATO PLANTS. Carolina, Up Rivers and Nansemond, 35c per 100; \$2.50 per 1000.

LETTUCE PLANTS.

Ready in April. Head and Curled Leaf varieties of special and standard sorts grown in flats. 15c per dozen; 75c per 100; \$5.00 per 1000.

EGG PLANTS.

Ready in May and June. Johnson's Northmount, Black Beauty, New Jersey Improved Large Purple Smooth Stem. Grown in pots, 50c per dozen; \$4.00 per 100. Out of hot beds, 30c per dozen; \$2.00 per 100.

PEPPER PLANTS.

Ready in May and June. Ruby Giant, Large Bell, Ruby King. 20c per dozen; \$1.25 per 100.

TOMATO PLANTS.

Ready in May and June. We make a specialty of Tomato Plants, and can supply all the leading varieties. Potted Earliana, Johnson's Jack Rose and other standards, 50c per dozen; \$4.00 per 100; \$30.00 per 1000. Transplanted, 20c per dozen; \$1.00 per 100; \$7.00 per 1000. Not transplanted, \$5.00 per 1000.



TOMATO SEEDS FROM SELECTED FRUIT

All our Tomato Seeds are grown especially for seed and from seed stocks carefully selected and saved by ourselves. We challenge comparison of our stocks with any offered.

One ounce will produce about thirteen hundred plants.
with your order, ask for our New Leaflet Essay on Tomato Culture. Free with your order.



PHOTO OF AN AVERAGE CLUSTER OF LIVINGSTON'S NEW CORELESS TOMATO—A FINE MAIN CROP VARIETY

LIVINGSTON'S NEW CORELESS TOMATO

This is Livingston's latest tomato, and upon our trial grounds we found it a good one as a main crop variety, bright red, almost round, very solid and entirely free from green core. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50.

JOHNSON'S GIANT BEAUTY TOMATO

This is the handsomest, largest, smoothest second early pink tomato in cultivation. It will be found the most profitable, owing to its handsome form and appearance and wonderful productiveness, beefy, meaty, thick, solid and almost seedless; has never been known to scald or blight. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.50.

JOHNSON'S JACK ROSE TOMATO

A wonder in earliness and productiveness. Most popular for market. Pkt., 15c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

GREATER BALTIMORE

Heavy cropper; fine large fruit, sweet flavor, ripening up to the stem, without cracks or green core; flesh thick and solid, with few seeds. Best for canning. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

JOHNSON'S JUNE PINK TOMATO

Johnson's June Pink Tomato is a Pink Earliana, ripening fully as early. The plant is neat and compact, branching freely, with fruit hanging in clusters, which is a medium size, uniform, smooth, without cracks or green core. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

BONNY BEST EARLY TOMATO

A good forcing scarlet tomato. Uniform in size and smoothness; resembling Chalk's Jewel. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BURPEE'S DWARF GIANT TOMATO

A new main crop tomato, very dwarf with large fruits of rich purple crimson. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

JOHNSON'S STONE TOMATO

We have a very fine strain of this standard and most popular late, red, smooth variety. It is particularly calculated for canning in glass jars whole. It is very solid; no core and very few seeds. They maintain their size all through the season.

From extra selected seed stock, grown by ourselves in Michigan. Pkt., 10c.; oz., c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.



Photograph of a Single Cluster of JOHNSON'S IMPROVED STRAIN NO. 10 SPARKS' EARLIANA.

SPARKS' EARLIANA TOMATO

Discovered and named by **Herbert W. Johnson.** Has proven one of the most successful novelties ever introduced. **It has stood the test—the test of all novelties, that of time—and still ranks—one of the largest very early smooth tomatoes in the world.** *Be sure that you get the pure selected and true stock from Headquarters—The Johnson Seed Company.*

SPARKS' EARLIANA TOMATO, True Stock: Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Price of JOHNSON'S IMPROVED No. 10 STRAIN: Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.10; lb., \$3.50.

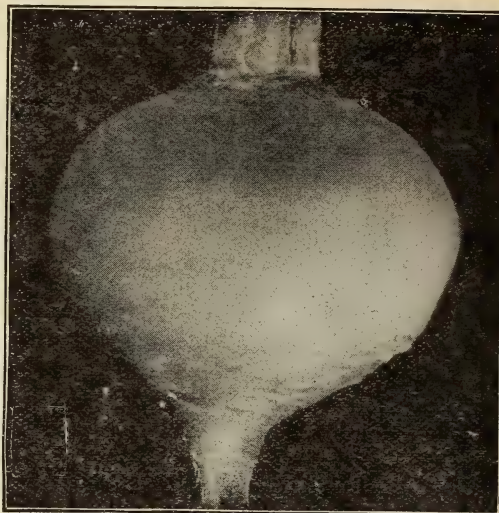
Select List of Standard TOMATOES—SEED OF OUR OWN GROWING

In regular size large packets, each, 5c. per packet, except where noted.

	Per Oz.	$\frac{1}{4}$ Lb.	Per Lb
Early Paragon. Bright red; productive; standard for market and canning . . .	\$0 20	\$0 50	\$1 75
Livingston's Perfection. Early; large size; very productive; fine blood red . .	20	50	1 75
Livingston's Favorite. Large, smooth, productive; a good shipper and canner .	20	50	1 75
Livingston's Beauty. Large, smooth, purplish pink; thick flesh; regular form .	20	60	2 00
Giant Acme. Bright pink; smooth, round, uniform size; productive and popular,	20	60	2 00
Henderson's Tenderloin. A new meaty, crimson, solid, second early; pkt., 10c.,	35	1 00	3 50
Atlantic Prize. Extra early; bright red; smooth, solid; profitable; pkt. 10c. .	20	50	1 75
Buckeye State. Very large, solid, meaty; deep purple; heavy cropper; pkt., 10c.,	25	70	2 50
Lorillard. Best for greenhouse forcing; bright glossy red; very smooth; pkt., 10c.,	25	85	2 75
Livingston's Globe. Globe shape; smooth, large, productive; pkt., 10c. . . .	30	85	3 00
The Matchless. Large bright red; solid, heavy; will keep ten days after being			
picked; yields all season; pkt., 10c.	25	70	2 50
Success. Large, smooth, bright scarlet; second early; pkt., 10c.	25	65	2 25
Truckers' Favorite. Large, solid and productive; color of Acme; pkt., 10c. . .	25	70	2 50
Johnson's Blight-Proof. Best for South, large red, smooth; pkt., 10c.	40	1 00	3 50
Brandywine. Finest late; large, solid, smooth, bright red; prolific; pkt., 10c. . .	30	85	2 75
Ponderosa. The largest variety in cultivation; a monster; pkt., 10c.	40	1 00	3 50
Ignotum. One of the earliest large, red, smooth varieties; productive; pkt., 10c.,	25	60	2 00
Dwarf Champion. Early; fruit resembles Acme; foliage upright; pkt., 10c. . .	25	65	2 25
The Great B. B. Brinton's Best. One of the very best of the second early and			
main crop tomatoes; large, red, smooth and solid; pkt., 10c.	30	85	2 75
Santa Rosa. Main crop, mammoth, solid, meaty, almost seedless; brilliant color,			
fine for home garden; pkt., 10c.	30	1 00	3 00
Yellow Plum. Plum shape; bright yellow; used for pickles; pkt., 10c.	25	70	2 50
Clusterosa Yellow Egg. Small yellow; best for preserving; pkt., 10c.	25	70	2 50
Red Cherry. An inch in diameter; borne in clusters; for pickles; pkt., 10c. . .	25	70	2 50



NEW MAMMOTH PURPLE-TOP GLOBE TURNIP.



MYERS' PURPLE-TOP BEAUTY RUTA-BAGA.

TURNIPS AND RUTA-BAGAS, OR SWEDES

One ounce will sow one hundred and fifty feet of drill; one to one and one-half pounds will sow an acre.

Large packets of any variety, 5c.; 10c. per lb. may be deducted for 5-lb. lots.

	Per oz.	¼ lb.	Per lb.
Early Snowball. Very handsome; extra early, pure white, tender and sweet . .	\$0 10	\$0 20	\$0 60
Purple-Top Flat. (Strap-leaved.) Well-known standard popular early sort . .	5	15	55
Early White Flat Dutch. Very popular for spring sowing; fine for market . .	5	15	55
Early Red-Top White Globe. Early, productive and popular for market . .	10	20	60
Mammoth Purple-Top Globe. An improvement on Red-Top White Globe . .	10	20	60
Purple-Top Milan. (True.) The earliest flat turnip; a very shy seeder . . .	10	25	75
Extra Early White Milan. Same as the Purple-Top Milan, except white skin . .	10	25	75
Early White Egg. Very handsome; pure white; excellent for early or late . .	10	20	75
Pomeranian Large White Globe. Useful for both table and stock; very large, .	10	20	75
Long Cow Horn, or White French. Very heavy cropper; best for stockmen . .	10	20	75
Golden Ball, or Orange Jelly. Small; very early; fine quality and flavor . .	10	20	75
Yellow, or Amber Globe. Vigorous grower; fine keeper; popular for market, .	10	20	75
Yellow Aberdeen, Globe-Shaped. Very large; fine for table or cattle . . .	10	20	70
Budlong, or Breadstone. Very early half-long white; fine table sort . . .	10	25	75
Rhode Island White Rock. Early, productive and very handsome . . .	10	25	75
Monarch, or Elephant Ruta-Baga. Large, oval-shaped; yellow flesh . . .	10	20	75
Long Island Ruta-Baga, Purple Top. Very large; fine yellow flesh . . .	10	20	70
Myers' Purple-Top Beauty Ruta-Baga. An improved market garden sort, .	10	25	75
Improved Purple-Top Yellow Ruta-Baga. Our finely bred strain; very popular, .	10	20	65
Large White Ruta-Baga. Very large and productive; white skin and flesh . .	10	20	65
Seven Top. Very hardy; grown for leaves, which are used as greens or salads .	5	15	55

SEEDS OF POT, SWEET AND MEDICINAL HERBS, ETC.

All Herbs in Large Packets at 5 cents each, except where noted

	Per oz.	¼ lb.	lb.		Per oz.	¼ lb.	lb.
Anise. Seeds aromatic . . .	\$0 10	\$0 25	\$0 90	American Sweet Marjoram. Superior to imported; seed of own growing. Pkt., 10c.,	\$0 40	\$1 00	\$3 80
Balm. For culinary purposes, . .	20	65	2 25	Imported Sweet Marjoram. For seasoning and aromatic oil. Pkt., 10c.,	15	40	1 50
Borage. Used for flavoring, . .	15	40	1 25	Rosemary. For seasoning and aromatic oil. Pkt., 10c.,	30	85	3 25
Sweet Basil (Broad-Leaved), . .	15	45	1 50	Rue. Has medicinal qualities, . .	20	50	1 75
Caraway Seed. For flavoring, . .	10	25	75	Saffron. Medicine and dyeing, . .	10	30	90
Catnip (Cat Mint). Pkt., 10c., .	35	1 00	2 50	Sage. Most used of all herbs, . .	20	45	1 25
Chervil. Used like parsley, . .	10	25	75	Sorrel. (Large-Leaved.) Cultivated for acidity . . .	10	30	1 00
Chicory. Large rooted . . .	10	20	60	Summer Savory. Culinary, . .	10	40	1 50
Coriander. Seeds aromatic, . .	10	20	75	Winter Savory. Flavoring, . .	30	75	2 75
Dill. For flavoring vingar . .	10	20	60	Tansy. For bitters. Pkt., 10c.,	35	1 00	3 50
Fennel. (Sweet)	10	25	75	Thyme. Broad-leaved. Pkt., 10c.,	45	1 00	3 50
Fennel. (Florence)	20	50	1 75	Wormwood. For poultry . .	25	75	
Horehound. Pkt., 10c. . . .	25	75	2 50				
Hyssop. Medicinal. Pkt., 10c.,	25	75	2 50				
Lavender. For oil and water, .	35	1 00	3 75				
Marigold, Pot. For soups . .	15	45	1 50				

The Johnson Quality Standards

If you are undecided or at a loss to know what varieties to plant, order from this list and you will not be disappointed. It is a list of tried and tested varieties which our forty-two years' experience and the reports of thousands of our customers prove to be the best and choicest varieties for the average all-round Family Garden. All are named and truthfully described in this catalogue on pages referred to. Order Johnson Quality Standards for the best garden in your neighborhood.

- BEANS.** Johnson's Giant Green Pod Stringless Valentine. Page 16. Pkt., 10c; pint, 25c, postpaid; by express, qt., 30c; peck, \$2.00.
- BEANS.** Grennell's Improved Rust-Proof Golden Wax. Page 16. Pkt., 10c; pint, 25c, postpaid; by express, qt., 30c; peck, \$2.00.
- BEANS.** Lima. Ford's Mammoth Podded Pole. Page 18. Pkt., 10c; pint, 30c, postpaid; by express, qt., 40c; 2 qts, 70c.
- BEETS,** Extra Early. Crosby's Improved Egyptian. Page 19. Pkt., 10c; oz., 20c; ¼ lb., 50c.
- BEETS.** Main Crop. Bastian's Half Long. Page 19. Pkt., 10c; oz., 10c; ¼ lb., 35c; lb., 75c.
- CABBAGE.** Johnson's Very Earliest. Page 23. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.75.
- CABBAGE** for Second Early and Summer. Johnson's Market Gardener's No. 2. Page 24. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.
- CABBAGE** for Late or Winter. Johnson's Matchless Late Flat Dutch. Page 23. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.
- CARROT** for Early and Late. Danvers. Page 24. Pkt., 10c; oz., 15c; ¼ lb., 40c.
- CELERY,** Early. Johnson's Silver Self-Blanching. Page 7. Pkt., 10c; oz., 30c.
- CELERY,** Late or Winter. Winter Queen. Page 25. Pkt., 10c; oz., 25c; ¼ lb., 70c.
- CORN,** Sweet, Early. Early Champion. Page 23. Pkt., 10c; pint, 20c, postpaid; by express, qt., 20c.
- CORN,** Sweet, Late. Country Gentleman. Page 26. Pkt., 10c; pint, 20c, postpaid; by express, qt., 25c; 4 qts., 75c; peck, \$1.50; bush., \$6.00.
- CUCUMBER.** Johnson's Improved Arlington. Page 27. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.35.
- LETTUCE,** Head. New Mammoth Salamander. Page 33. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.
- LETTUCE,** Curled Leaved. New Morse. Page 33. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.
- MUSKMELON,** First Early. Johnson's Dreamwold. Page 10. Pkt., 10c; oz., 25c; ¼ lb., 75c.
- MUSKMELON,** Second Early. Rocky Ford. Page 34. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
- WATERMELON.** Johnson's Dixie. (Extra selected stock.) Page 33. Pkt., 10c; oz., 20c; ¼ lb., 40c.
- ONION.** Philadelphia Yellow Globe Danvers. Page 37. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.75.
- ONION.** Minnesota Globe Wethersfield Red. Page 36. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.
- PARSLEY.** Market Gardener's Best. Page 42. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.
- PARSNIP.** Ideal Hollow Crown. Page 40. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.15.
- PEAS,** First Early. Johnson's Record Extra Early. Page 38. Pkt., 10c; pint, 30c; qt., 55c, by mail, postpaid; by express or freight, qt., 40c; peck, \$1.75.
- PEAS,** Late. Dwarf Champion. Page 39. Pkt., 10c; pint, 35c; qt., 50c, by mail, postage paid; by express or freight, qt., 35c; peck, \$2.00; bush., \$7.00.
- PEPPER.** Ruby Giant. Page 10. Pkt., 10c; oz., 45c; ¼ lb., \$1.25; lb., \$4.50.
- RADISH,** First Early. Johnson's Earliest. Page 13. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.
- RADISH,** Summer. White Strasburg. Page 43. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
- RADISH,** Winter. New Celestial. Page 44. Pkt., 5c; oz., 10c; ¼ lb., 30c.
- SPINACH.** New Parisian Long-Standing. Page 46. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.
- SQUASH,** Summer. New Extra Early Jersey White Bush. Page 45. Pkt., 5c; oz., 10c; ¼ lb., 30c.
- SQUASH,** Winter. Hubbard. Page 47. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.
- TOMATO.** Earliest. Johnson's Jack Rose. Page 47. Pkt., 15c; oz., 40c; ¼ lb., \$1.00.
- TOMATO.** Main Crop. Johnson's Giant Beauty. Page 47. Pkt., 15c; oz., 40c; ¼ lb., \$1.10; lb., \$3.50.
- TURNIP.** Mammoth Purple Top Globe. Page 48. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

THE ABOVE 35 VARIETIES ARE THE JOHNSON STANDARDS

A SPECIAL OFFER

have these special packet collections already packed in advance, we cannot make any changes in them at this low price.

They will produce the very finest of vegetables in succession the whole season through, giving a complete family vegetable garden. At regular catalogue prices one packet of each of the 35 Standards would cost over \$3.00. We will, however, mail the entire collection, all postage paid, on receipt of only \$1.50. As we

JOHNSON'S NEW LEAFLET-ESSAYS ON IMPORTANT VEGETABLES, ETC., SENT FREE

A few instructive new Leaflet-Essays for 1915, making twenty in all. Any or all of these are free when asked for with Seed or Poultry Supply orders.

- No. 1. **ASPARAGUS.** Making the Bed, Setting Roots, Cultivating, Fertilizing and Marketing.
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- No. 3. **BEETS.** Garden, Mangel and Sugar Beets for Stock Feeding.
- No. 4. **CABBAGE.** Planting Out, Cultivation, Diseases and Insects, Storing and Marketing.
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- No. 6. **CELERY.** Soil, Fertilizers, Planting, Cultivating, Blanching, Storing for Winter.
- No. 7. **CUCUMBER AND EGG PLANT.** How to Grow to Perfection, even on a few square yards of soil. A new and important Leaflet.
- No. 8. **HORSE RADISH AND RHUBARB.** The Money-Making Crops.
- No. 9. **MELONS.** Musk or Cantaloupe and Watermelons. Cultivation, Manuring, Insect Enemies.
- No. 10. **MUSHROOMS.** How to Prepare Bed, Planting Spawn, Temperature and Marketing.
- No. 11. **ONIONS.** Preparing the Soil, Fertilizers, Planting Seeds and Sets, Cultivating, Harvesting, Storage, Marketing, etc., of this Popular Crop.
- No. 12. **SWEET POTATOES.** Growing Sprouts, Setting Out, Cultivating, Harvesting, Storing, etc.
- No. 13. **TOMATO CULTURE.** How to Grow and Market. New Leaflet.
- No. 14. **FLOWER CULTURE FROM SEED.** To Successfully Grow Sweet Peas, Nasturtiums, Pansies and other Popular Flowers. Complete Cultural Directions.
- No. 15. **SASHES AND BEDDING PLANTS.** Treating Principally on Hot Beds and Cold Frames.
- No. 16. **THE FAMILY VEGETABLE GARDEN.** Telling How and What to Grow.
- No. 17. **HINTS ON LAWN-MAKING AND GRASS SEED MIXTURES** for Lawns, Golf Grounds, Permanent Pasture and Mowing.
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- No. 19. **POULTRY DISEASES, SYMPTOMS AND REMEDIES.**
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In asking for these essays, it is only necessary to give the number of the essay wanted. They are not for sale and cannot be sent unless seed or roots of the kind on which they treat are included in the order, except Nos. 15 and 16, which will be sent, when requested, with any order of 50 cents or over.

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Standard works by acknowledged authorities. Postpaid on receipt of price. If included in a seed order, we allow a discount of 10 per cent. from publishers' prices here quoted

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ON POULTRY AND LIVE STOCK

The well-known "BIGGL BOOKS" up-to-date and modern. Finely illustrated in colors.

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JOHNSON'S POULTRY SUPPLY CATALOGUE

IS FULL OF UP-TO-DATE SUGGESTIONS

WE CARRY THE LARGEST LINE OF

Poultry, Dairy and Bee Supplies

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Tobacco Seed

Connecticut Seed Leaf. Saved from selected plants. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Havana. Genuine imported seed, direct from Cuba. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Sumatra Sterling, General Grant, Pennsylvania and Lancaster Broad Leaf, each, per pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

Fruit Tree Seeds

Add 10c per lb. for postage, if to be sent by mail.

Peach Pits. Pure Tennessee, natural, lb., 20c; bush., \$4.00. **Apple Seed,** lb., 50c. **Apricot Pits,** oz., 10c; lb., 50c. **Pear Seeds, French,** oz., 20c; lb., \$2.00. **Plum Pits,** oz., 10c; lb., 50c. **Quince Seed,** oz., 20c; lb., \$2.00. **Osage Orange.** For hedges. Lb., 50c.

Pea Nut or Ground Pea

Georgia Improved (large) and **Spanish (small early)** are the best. Each, pkt., 10c; pint, 25c, postage paid; by express, qt., 25c; peck, \$1.00.

Jerusalem Artichoke Roots

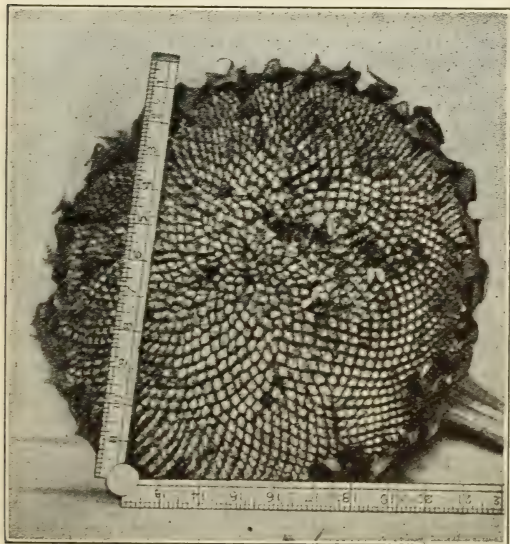
The best hog food known. Very productive and possess remarkable fattening properties. Lb., 35c; 3 lbs., \$1.00, postpaid; by freight or express, peck, 75c; bush., \$2.75; bbl. of 3 bush., \$7.00.

Long White Cow Horn Turnip

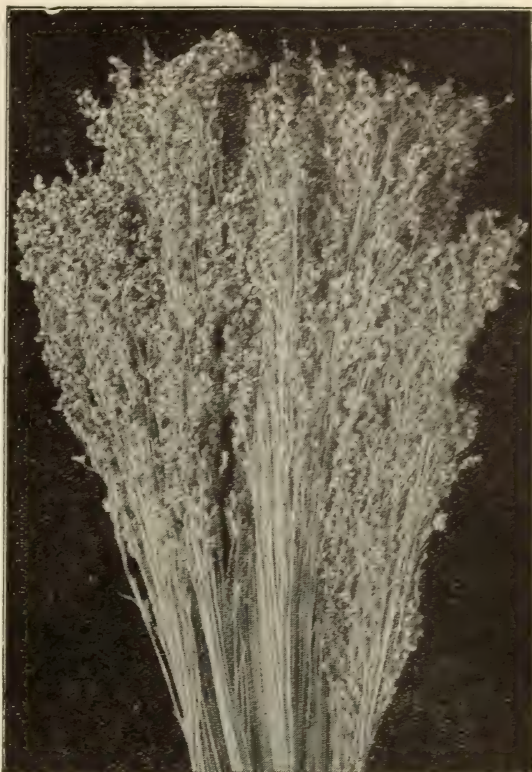
The Most Popular and Best for Stockmen. Carrot-like in form, growing nearly half out of the ground. It is delicate and well flavored, of rapid growth and very nutritious, a heavy cropper and fine keeper. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c, postpaid; 5 lbs. and over, by express, 60c per lb.

Mammoth Russian Sunflower

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is twice as great. The leaves make splendid fodder, much relished by all kinds of stock. The seed is good feed for horses and poultry, and yields a fine quality of oil. The strong, thick stalks are used for fuel. Oz., 5c; qt., 15c (qt., postpaid, 25c); peck, 75c; bush., \$2.25; 5 bush. and over, \$3.00 per bush.



A SEED HEAD OF MAMMOTH RUSSIAN SUNFLOWER.



BRUSH OF WEBER'S IMPROVED EVERGREEN BROOM CORN.

Weber's Improved Evergreen

The Best Broom Corn in Cultivation

Originated and selected by Mr. Geo. Weber, one of the largest growers of Montgomery County, Pa., who has for many years had the reputation of having the best in the State, having made his stock famous by selection and improvement for length, strength and straightness of brush. It is of a very bright green color. Makes by far the best brooms of any corn grown, and commands the very highest prices. Height, 7 to 8 feet. Lb., 30c; 3 lbs., 75c, postpaid; by express or freight, qt., 25c; peck, \$1.00; bush., \$3.50.

Evergreen Broom Corn. The old standard, grown in the West. Lb., postpaid, 25c; by freight or express, qt., 20c; peck, 75c; bush., \$2.50.

Teosinte (*Reana Luxurians*)

This gigantic Grammea will furnish a continuous daily supply of most nutritious green food for horses and all kinds of cattle all through the Summer. It also makes splendid dry fodder, yielding enormously, and being more nutritious and better relished by all stock than corn fodder. It stools out enormously after being cut. Sow in May or June, at the rate of 3 pounds per acre, in drills 4 feet apart. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., \$1.00, postpaid; by express or freight, lb., 85c; 5 lbs. and over at 80c per lb.

Address all orders, inquiries, etc., to

JOHNSON SEED CO.,

217 Market Street, Philadelphia Pa.

Johnson's Thoroughbred Field Corn

SELECTED FOR SEED—TESTED FOR VITALITY

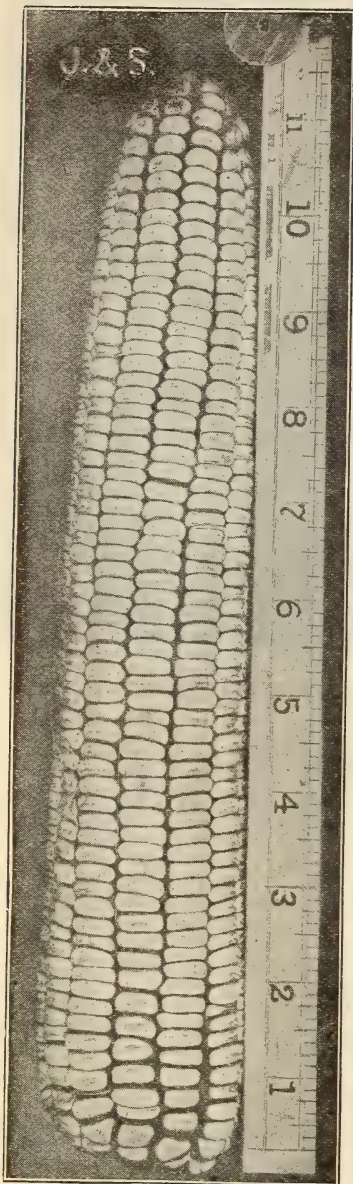
Fully appreciating the great importance to the farmer of **GOOD FIELD CROPS**, we have given particular attention to this department of our business and made the **SELECTION AND IMPROVEMENT OF FIELD CORN AND OTHER FARM SEEDS** a specialty, exercising great care to secure the best varieties, thoroughly cleaned and of the finest possible quality. Note our reasonable prices for the quality we furnish. No better to be had at any price.

THE 100-DAY BRISTOL FIELD CORN

When a few years since, before naming and introducing it, I first saw this corn growing in the field, with its **enormous stalks and fodder**, one-half again as high as an ordinary-sized man, and its magnificent ears, averaging nearly a foot in length, as shown in the photograph, I was inclined to doubt its earliness. But after growing it ourselves and on the farms of hundreds of customers, we have found it cut and shocked, ready for husking in ninety-five to one hundred days from the time the seed was planted. The grain is a light yellow; the cob is small considering the size of the ear. It will produce as much fodder and more corn than the famous Chester County Mammoth and other late varieties, which require three to four weeks longer to ripen. It is very high in protein, making it a fine ensilage corn. In fact, it is a **perfect field corn in all respects**. Prices, pkt., 10c; lb., 30c; 3 lbs., 75c, postpaid by mail; by express or freight, shelled, peck, 60c; bush., 2.50; sack of 2 bush., \$3.60; 10 bush. and over, \$1.75 per bush; 50 ears, \$2.75; 100 ears, \$5.00; sack included.

JOHNSON'S IMPROVED LEAMING CORN

I feel it a great honor to have been the first to call attention to the great value of the **Improved Leaming Corn**, twenty-two years ago, since which time it has grown in popularity each season, and is now catalogued by nearly every seedsman in America. It is probably more largely planted now, both in the Northern and Southern States, than any other field corn known. This and the **100-Day Bristol Corn** are by far the earliest and best large-eared Early Yellow Dent Corns in cultivation. The ears are **large and handsome**, with **good grain**, of deep orange color and small red cob. Stalks grow to medium size (not large) with few suckers, slender and leafy, making most excellent fodder, producing two good ears to each stalk; husks and shells easily. It ripens in 90 to 100 days, and never fails to make a good crop even in dry seasons, by reason of its earliness in maturing and strong, vigorous growth. One hundred and thirty-six bushels shelled corn have been grown to the acre on good corn ground. It is also adapted to a greater variety of soils than other varieties, producing unusually well on light or heavy land, where other varieties would not thrive, and also in the extreme Northern States, where it has become very popular for fodder and ensilage purposes. Much of the so-called Leaming Corn of other catalogues is not the true improved strain as selected and grown by ourselves in Chester County, Pa. Prices, by mail, postpaid, pkt., 10c; lb., 30c; 3 lbs., 75c; by freight or express, bags included, qt., 15c; peck, 60c; bush., \$1.90; sack of 2 bush., \$3.75; 10 bush. and over, \$1.70 per bush.; ears, 50 for \$2.75; 100 for \$5.00.

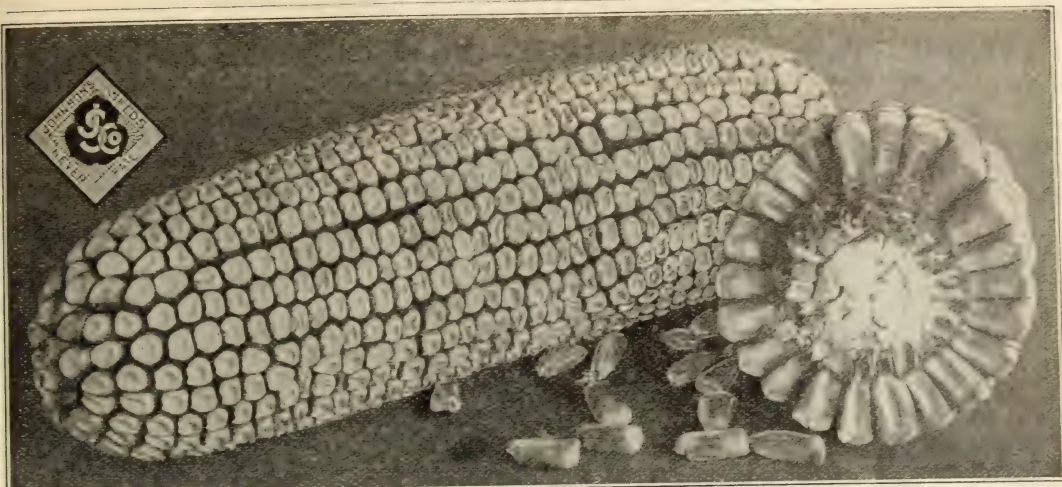


Average ear, 100-DAY BRISTOL CORN.

AUSTIN'S COLOSSAL Y YELLOW DENT CORN

A WONDER IN LARGE SIZE OF EARS, UNIFORMLY OVER A FOOT IN LENGTH

The writer first saw this new corn while visiting the Pan-American Exposition at Buffalo, in 1901. Of the hundreds of varieties there exhibited, from almost every State in the Union, it carried off the honors, and I feel justly proud in being the first to procure the seed from its experienced originator, Mr. H. W. Austin, to offer for sale. The yield on the farm of the originator in past seasons has averaged over 100 bushels to the acre, and in the most unfavorable seasons it has never given anything but a good yield of its magnificent ears, borne two to a stalk, ripening in 115 to 125 days for planting; grain deep, rich yellow, very heavy, and will sell for the highest prices on any market in the land; stalks medium, not too large, and produce enormously on both light and heavy land. Prices: Pkt., 10c; lb., 30c; 3 lbs., 75c., by mail, postpaid; by freight or express, sacks included, peck, 65c; bush., \$2.00; bag of 2 bush. for \$3.75.



Photograph of an average ear and section of ear of JOHNSON'S GIANT BEAUTY. Notice how the butt and end of ear are filled at tip, also smallness of cob, both of which are valuable features of this corn.

Johnson's Giant Beauty Field Corn

Giant Beauty is a cross between Cloud's Early Dent and Golden Beauty, possessing the earliness, large-sized ear and deep grain of the former, with the handsome, deep yellow color of the latter. Its rich, golden color indicates its strong, nutritive qualities. It is a very vigorous grower, averaging eight feet in height, producing two large ears, well filled to the extreme ends of the cob. It is a grand variety, and has become very popular in the famous corn sections of Delaware and Chester Counties, Pa. Pkt., 10c; lb., 30c; 3 lbs., 75c, postpaid, by mail; by express or freight, sacks included, peck, 75c; bush., \$2.25; sack of 2 bush., \$4.25; 10 bush. and over, \$2.00 per bush.; 50 ears, \$3.00; 100 ears, \$5.50.

Corn—Standard Old Varieties

Prices of the following first five varieties, each, per pkt., 10c; lb., 30c; 3 lbs. for 75c, postpaid, by mail. By express or freight, qt., 15c; peck, 60c; bush., \$2.00; sack of two bush., \$3.60; 10 bush. or more at \$1.65 per bush., sacks included.

IMPROVED SNOW-WHITE DENT CORN

The earliest, most prolific and best white corn in cultivation. The stalk grows so remarkably quick that it is seldom caught by drought. Ears large and ripen in 105 to 115 days.

PERFECTED GOLDEN BEAUTY CORN

A large, broad-grained yellow corn, maturing in 110 days from planting. Small red cob.

IMPROVED EARLY MASTODON CORN

Originated in Ohio. Very productive; ear large, with yellow grain on a small cob; stalk 9 to 10 feet, and matures in 100 to 110 days.

FARMER'S FAVORITE GOLDEN DENT CORN

Early, with large ears; productive and adapted to thin soil. Our strain is of an improved type.

EARLY YELLOW CANADA FLINT CORN

Well adapted to the North and for late re-planting. Long, well-filled ears with eight rows.

HICKORY KING WHITE CORN

The largest-grained and smallest-cobbed pure White Dent Corn in cultivation. Lb., 30c, postpaid; by express, peck, 60c; bush., \$2.25.

WHAT OTHERS SAY OF JOHNSON'S

"Your 100-DAY BRISTOL is the best field of corn in this section. The potatoes from your seed are also away above the average."—HOWARD VAN SYCLE, Lebanon, N. J.

"I had a very fine lot of corn last year from your IMPROVED LEAMING seed. It was planted near the road, and every farmer who saw it wanted to know where I got my seed. I have referred a number to you from this section."—D. T. LINDLEY, Canton, Pa.

"All who have seen my crop of AUSTIN'S COLOSSAL CORN are astonished and loud in its praise. I shall send you a photo of an ear that is 19 inches long. It is a most wonderful corn."

—JOHN C. FOHLIGER, Cincinnati, O.

Ensilage and Fodder Corns

RED-COB ENSILAGE CORN

This new and superior ensilage corn we can recommend as the heaviest cropping variety, and best for the purpose, producing 50 to 75 tons per acre. It is a pure White Dent Corn, growing on a red cob. The fodder is very leafy, with short joints, sweet, tender, juicy, grows 13 to 14 feet in height. Peck, 45c; bush., \$1.60; 10 bush. and over, \$1.50 per bush., sacks included.

BLUNT'S PROLIFIC ENSILAGE CORN

Also called Mammoth Ensilage. Has produced 70 tons of fodder to the acre, and is one of the most popular, producing two ears to the stalk; white ears of medium size; is earlier than the Red-Cob Ensilage. Peck, 65c; bush., \$1.75; sack of 2 bush., \$3.35; 10 bush. and over, \$1.65 per bush.

SUGAR CORN FOR GREEN FODDER

Contains a larger percentage of saccharine in the stalks on account of being a Sugar Corn, which is especially grown for fodder purposes, being of quick growth and early maturity. Sown at the rate of two bushels per acre, in drills four feet apart, it makes splendid stalks 6 to 8 feet in height, which are of the finest quality for feeding green cutting for ensilage, or curing for fodder. By express or freight: per qt., 15c; peck, 65c; bush., \$2.35; 10 bush. and over, \$2.25 per bush.

SELECTED SEED CORN AND OATS

"I am more than pleased with JOHNSON'S GIANT BEAUTY CORN. It is a most vigorous grower and yielded double any other variety grown here."

—SAMUEL JONES, Cleveland, O.

"I raised 50 lbs. of WASHINGTON OATS from one pound of seed I purchased from you. They gave 17 to 21 stalks from each kernel, beating all others I have ever grown."—A. A. HALL, Agate, Ore.

"Your GOLDEN FLEECE OATS yielded 50 bushels to the acre; they are the finest and heaviest oats grown in this section."—FRANCIS T. MOERELI, Torresdale, Pa.

Choice Northern Grown Seed Oats EXTRA CLEANED

NEW WASHINGTON

The seed of this new white oat was first procured from Professor Carlton, of the U. S. Department of Agriculture, who pronounced them at the head of the Oat kingdom.

Prof. Moore, at experimental station, says: "New, heaviest, thinnest hull, stiffest straw, best of thirty-six varieties; weight, 36 to 40 lbs. measured bushel." A small field of 2 acres yielded 227 bushels. Our grower in Ontario County, N. Y., says: "They are the finest oats we have ever grown; straw 4 to 5 feet tall; many heads 10 to 12 inches long (as shown in our photograph alongside); they do not rust; stand up well; the plump meats make it the greatest of all oats." One of the largest and most experienced oat growers in Chester County, Pa., says: "Its wonderful productiveness is far beyond what the most enthusiastic farmers in this section ever expected to realize." Another says: "Twenty bushels per acre more than Welcome or Lincoln." Another grower says: "The best oats we have ever grown; about one week earlier than others; stand up well; do not rust; yield over 90 bushels per acre."

Prices for 1914. Choice seed grown in Ontario County, New

York. Per lb., 35c.; 3 lbs. for \$1.00, by mail, postage paid. By freight or express: Per peck, 65c.; per legal bush. (of 32 lbs.), \$1.75; sack of 3 legal bush. (96 lbs.) for \$5.00; 10 bush. and over, \$1.50 per bush.

GOLDEN FLEECE OATS

This splendid oat was first introduced in 1901, and hundreds of our customers have written us of its merits. It is, without doubt, one of the heaviest croppers, with possibly the exception of the **New Washington**, described above. The grains are white, plump and handsome. The straw is very strong and stands up well. The blade is double the size of ordinary oats, which attests the vigor and productive capacity of the strain. On account of its heavy stooling property, 6 pecks (1½ bushels) is sufficient to seed an acre.

Price, per lb., 25c.; 3 lbs., 60c., by mail, postpaid; by freight or express, peck, 40c.; legal bush. (32 lbs.), \$1.35; sack of 3 legal bush. (96 lbs.), \$3.75; 10 bush. and over, \$1.20 per bush., sacks included.

SWEDISH SELECT OATS

This grand new and prolific white oats has been thoroughly tested in different sections and is highly spoken of. It seems to be adapted to all soils, has a robust and vigorous constitution, is quite early and an immense cropper; straw being long and stout, stands up well and does not readily lodge. The kernels are of large size, thick, plump and heavy. **Prices same as for Golden Fleece, described above.**

STANDARD VARIETIES

Prices of each of the following **Standard Varieties of Seed Oats**, 25c. per lb., or 3 lbs., 60c., postpaid; by freight or express, peck, 40c.; per legal bush. (32 lbs.), \$1.25; 10 bush. and over, \$1.20 per bush., bags included.

White Maine, early, handsome and productive.

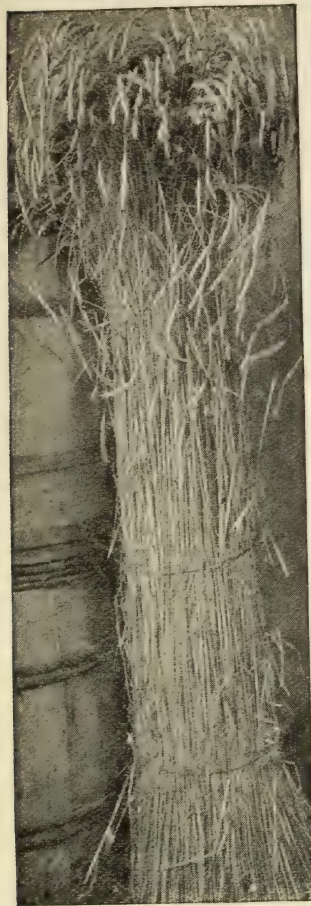
Danish Island, originally from Denmark; very hardy.

Swedish, Welcome, White Russian, Virginia Winter Turf, choicest seed carefully re-cleaned, at above prices.



Photograph of average heads of WASHINGTON OATS, 12 inches in length.

SPRING RYE—A More Profitable Crop Than Oats



SPRING RYE SHOWING HEIGHT AND PRODUCTIVENESS OF STBAY

Distinct from the Winter rye; grain of finer quality and more productive; can be successfully grown in any latitude, and is now being largely sown in the Middle States in place of oats, on account of the production of nearly four times the straw, and also as a "catch" crop where Winter grain has failed. The straw is equally as valuable as that of the Fall and Winter rye, standing stiff, 7 to 8 feet high. Produces 30 to 40 bushels of grain per acre. As it does not stool like Winter rye, not less than two bushels to the acre should be sown. Pkt., 10c; lb., 30c; 3 lbs., 75c, postpaid; peck, 50c; bush., \$1.75; 5 bush. and over, \$1.65 per bush.

SPRING WHEAT FROM THE NORTH

Saskatchewan Fife. This wheat is pronounced by the great milling kings of the Northwest the best. Fifty bushels to the acre is not an uncommon yield. Pkt., 10c; lb., 35c; 3 lbs., \$1.00, postpaid; by express or freight, peck, 75c; bush., \$2.50; 5 bush. and over, \$2.25 per bush.

SPELTZ, OR EMMER (*Triticum Spelta*). A New Grain

This new Russian grain is intermediate between wheat and barley, and is readily eaten by all kinds of stock. It is adapted for milling, as well as for feeding, making a grade of flour similar to rye. The straw resembles wheat straw. It grows large crops—40 to 80 bushels per acre—on poor lands, stony ground and open prairies, and will give double the crop of oats or barley. Pkt., 5c; lb., 30c; 3 lbs., 75c, postpaid; by freight or express, qt., 15c; peck, 50c; bush., \$1.75.

SEED BARLEY FROM THE NORTH

Beardless Barley. Ripens early; free from beards and very productive. Qt., 15c; peck, 50c; bush., \$1.90.

White Hullless Barley. Heavy kernels, more like wheat; early and productive. Pkt., 10c; lb., 25c, postpaid; by express or freight, peck, 75c; bush., \$2.25; bag, 2 bush., \$4.25.

New Manshury. Earliest and most productive. Qt., 15c; peck, 50c; bush., \$1.90; bag, 2 bush., \$3.70.

Six-Rowed Barley. Most popular in the North. Qt., 15c; peck, 50c; bush., 48 lbs., \$1.85. Bags included.

BUCKWHEAT FOR SEED

New Japanese. The kernels are nearly twice the size of any other, of a rich dark brown color, and manufacture a superior flour. It has rapidly displaced all others, and is now more largely planted than any other, being about two weeks earlier. Makes a fine poultry food. Pkt., 10c; lb., 25c; 3 lbs., 65c; postpaid; qt., 15c; peck, 50c; bush., \$1.75; 5 bush. and over, \$1.65 per bush., sacks included.

Kaffir Corn for Grain and Forage

The grain is valuable for feeding to poultry. Cultivated the same as common Indian corn. Making a fine crop of forage. By mail, pkt., 10c; lb., 25c; by freight, peck, 50c; bush., \$1.60.

THE BEST OF THE MILLETS

German Millet (Southern Grown)

Southern grown German or Golden Millet seed is far superior, both in quality and yield, to Western or Northern grown seed. When properly grown and handled, it makes an enormous yield of nutritious feed, succeeding in almost any soil. Sow in May or June, one bushel to the acre. Price varies with the market. Qt., 10c; bush., 50 lbs., \$2.00.

Hungarian Millet

Yields two or three tons of hay per acre. sow 1½ bushels to the acre in May or June. Price varies. Qt., 10c; bush., 48 lbs., about \$1.75.

Pearl Millet, or Pencillaria

Value for green forage. Drill in 2 feet rows, 10 lbs. to the acre. By mail, pkt., 10c; lb., 30c; by freight, 10 lbs., \$1.10; bush. of 50 lbs., \$4.50.

Japanese Barnyard Millet

Yields enormously of hay and fodder, growing 6 to 8 feet in height and yielding 12 to 20 tons per acre. Cattle and horses eat it greedily. Sow in May or June broadcast, 10 to 12 lbs. per acre, or in drills, 8 lbs. per acre. Prices, by mail, postpaid, per lb., 25c; 3 lbs., 60c; by express or freight, lb., 15c; 10 lbs., \$1.00; bush. of 30 lbs., about \$2.25.



JAPANESE MILLET FIELD FROM WHICH OUR SEED WAS SAVED.

FODDER AND SOILING PLANTS

PEAS

For Fodder and Plowing Under



FIELD OF SOUTHERN BLACK OR RAM'S HORN COW PEAS IN THE NORTH. SOWN JUNE 16th, PLOWED UNDER AUGUST 31st.

COW PEAS (The Great Soil Improver)

Make Poor Land Rich, Good Land More Productive, and Enrich the Soil

Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the cow pea is most popular, especially for medium or light soil. They should be sown in May or June, at the rate of $1\frac{1}{2}$ bushels to the acre, and plowed under as soon as they have attained their full growth. There is no surer or cheaper means of improving poor soil than by sowing cow peas.

COW PEAS FOR HAY

If planted early, say by middle of May, in the central corn belt section a crop can be cut and cured for hay the same as clover; then the stubble in a short time will put out a new growth to be turned under in the Fall as a fertilizer.

The best varieties of Cow Peas for all purposes are the following:

SOUTHERN BLACK EYE COW PEA.

SOUTHERN BLACK OR RAM'S HORN.

WHIP-POOR-WILL, CLAY and NEW ERA.

Small quantities by mail, postpaid. Pkt., 10c; pint, 20c; qt., 35c. About \$3.50 per bush.

Write for prices by the bushel, as they vary with the market.

Canadian Field Peas and Oats for Fodder

These make a fodder and hay which double the production of milk. The Canadian Field Pea, which we sell at about \$2.25 per bushel, is the best for this purpose. They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about four inches deep; the oats then sown and harrowed in. They will be ready for cutting about the latter end of June, when the oats are in milk and the pods formed on the peas. It is a nutritious food and relished by all stock. About \$3.25 per bushel.

SOJA OR JAPANESE SOY BEAN

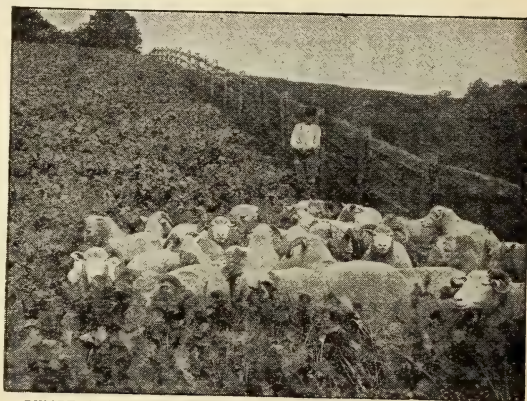
The demand for the Soja Beans has grown remarkably of late years. Their great value is as a forage crop, for fertilizing the soil and for pasturing or feeding the green fodder much in the same way as the cow pea. New Early Soja will mature in the far North. Mammoth Yellow Soja, late, matures south of Potomac and Ohio Rivers. Each, per pkt., 10c; lb., 25c; 3 lbs., 60c, postpaid; by freight or express, qt., 20c; peck, 90c. Write for prices by the bushel.

SAND OR WINTER VETCH

For forage and fertilizing purposes; it succeeds and produces good crops on poor, sandy soils as well as on good lands, growing to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. If sown in the Spring, it can be sown alone or mixed with oats, Spring rye or barley. If sown during August or September, Winter rye serves as a good support. The root growth is very extensive from the beginning, and makes quantities of nitrogen tubercles, thus giving it very valuable fertilizing properties. Sow 30 to 50 pounds per acre, with $\frac{1}{2}$ bushel rye, oats or barley. Price, per lb., 30c; 3 lbs., 75c, by mail, postpaid; by freight or express, lb., 20c; 10 lbs., \$1.50; bush. of 60 lbs., \$8.00.

EARLY AMBER SUGAR CANE

The high value of Northern grown sugar cane for fodder and ensilage is becoming rapidly known. When fed down young as a pasture it grows rapidly again. The seed and fodder is valuable as food for horses and cattle, seed is greedily eaten by poultry, increasing egg production. By mail, postpaid, lb., 25c; 3 lbs., 60c; by express or freight, qt., 15c; peck, 75c; bush. of 56 lbs., \$2.75.



DWARF ESSEX RAPE—EIGHT WEEKS FROM SOWING.

TRUE DWARF ESSEX RAPE

Dwarf Essex Rape is largely grown on account of its rapid growth, producing twenty-five to thirty tons of green forage to the acre. It grows to a height of 3 feet and covers the surface so densely as to smother out all weeds. While unequaled as a pasture for sheep, as a food for all cattle, calves or pigs it is without a rival, its fattening properties being twice as great as clover, making a much relished food from May to December. Lb., 25c; 3 lbs., 60c, postpaid; by express or freight, lb., 15c; 10 lbs., \$1.50; 25 lbs., \$2.60; bush. of 50 lbs. \$5.00.



Prices Subject to Market Changes

IMPORTANT. Write for quotations on Grass and Clover Seeds. Prices vary with the market, and we can frequently supply lower than catalogue rates.

CRIMSON or SCARLET CLOVER. This annual clover, as an improver of the soil, or for an early Summer forage or hay crop, is first class. Lb., 25c; 10 lbs., \$2.25; bush. of 60 lbs.

ALSIKE, or SWEDISH CLOVER. Hardest of all; well adapted for permanent pastures or for hay crop. Thrives equally well on wet or dry soil. Sow six pounds per acre in Spring or Fall. Lb., 25c; 10 lbs., \$2.20; bush., 60 lbs., prices on application.

WHITE DUTCH CLOVER. Best to sow with lawn grass; valuable in permanent pastures. Oz., 5c; lb., 50c; 10 lbs. and over, 45c per lb.; bush., 60 lbs., price on application.

CLOVER, MEDIUM RED. Free from weed seeds and of high germination. Lowest market prices quoted by letter.

MAMMOTH PEA VINE, or SAPLING CLOVER. Market variable. Write us for lowest market prices.

ALFALFA, or LUCERNE CLOVER. Every farmer should have at least a few acres of alfalfa clover. There is no difficulty in getting a good stand, if care is taken in putting it in right and taking care of it afterward. Sow in the Spring or in August, as preferred, at the rate of 25 to 40 lbs. per acre; see that the soil is sweet and well manured. When a good stand is once secured, it will last from 8 to 10 years, giving three or four crops per annum. Price, per lb., 30c; 10 lbs., \$2.50; bush. of 60 lbs.

We carry a large line of Grasses; any variety not listed will be cheerfully quoted by letter.

No. 1 Grass Mixture for Permanent Pasture } Each, per bush., \$3.00; or in lots of 10 bush.
No. 2 Grass Mixture for Permanent Mowing } and over, \$2.75 per bush., sacks included.

The Standard Inoculation

FARMOGERM

High-Bred Nitrogen-Gathering Bacteria

and all pod-growing plants called legumes enrich the soil through the action of small bacteria growing upon their roots. These bacteria live only upon the roots of legumes and by an action of their bodies extract the free nitrogen of the air, and deposit around themselves as nitrates, thus forming little sacks or nodules on the roots of the growing plants. These sacks furnish the growing plant with all the nitrates it requires, and still leaves large amounts unused in the soil ready for future crops or other crops growing at the same time with the legumes. Quoting from bulletin issued by the Department of Agriculture in January, 1908: "It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of bacteria which enable the plants to fix free nitrogen." These standard inoculations are known as Farmogerm, and we strongly advise the use of the cultures whenever you plant legumes of any description.

If alfalfa can be grown on hot, sandy land of South New Jersey, why can't you grow it?

Send for a free pamphlet and investigate before planting any of the following crops:

Alfalfa, alsike, crimson, red clover, white clover, field peas, cow peas, vetches, garden beans, garden peas, sweet peas and other legumes.

We are prepared to supply Farmogerm for any one or all of these crops at the laboratory price.

Regular or Farm Size, 5 acres.....	\$9 00
Farm Trial Size, 1 acre.....	2 00
Garden Size, ¼ acre.....	50

CANADIAN BLUE GRASS (*Poa Compressa*). The hardest grass in cultivation. Cows fed on it produce a very rich milk, and it is especially relished by sheep. Excellent for dry, sandy soils and for covering the surface of rocky soils. Three bushels to the acre. Lb., 25c; bush., 14 lbs., \$2.50.

KENTUCKY BLUE GRASS (*Poa Pratensis*). Valuable for pasture when mixed with other varieties. Lb., 30c; bush., 14 lbs., about \$3.00.

ORCHARD GRASS. A most desirable pasture grass. Lb., 30c; bush., 12 lbs., about \$2.50.

TIMOTHY. Lb., 20c; bush., 45c.

HERD, or RED TOP GRASS. Choice seed in chaff. Lb., 13c; bush., 10 lbs., \$1.20; in sacks of 50 lbs., about \$6.00; extra fancy solid seed, lb., 25c.

MEADOW FESCUE, or ENGLISH BLUE. Lb., 40c; bush., 22 lbs., price on application. Sow 2 bush. to the acre.

TALL MEADOW OAT GRASS. Valuable for permanent pasture. Lb., 25c; bush., 13 lbs., price on application.

ENGLISH RYE GRASS. A nutritious, permanent grass for meadows and pastures. Lb., 15c; bush., 24 lbs., price on application.

CRESTED DOGTAIL. Valuable for lawns, golf links, etc., stands wear. Lb., 35c; bush., 20 lbs., price on application.

WOOD MEADOW GRASS. Adapted for pleasure grounds; fine for pastures under close feeding. Lb., 60c; bush., 14 lbs., price on application.

SWEET VERNAL GRASS (*True perennial*). Lb., 60c; Sweet Vernal (*annual*), lb., 20c.

RHODE ISLAND BENT, HARD FESCUE SHEEP'S FESCUE, CREEPING BENT. Each, per lb., 30c; 10 lbs. and over, 25c per lb.

TO SUCCESSFULLY GROW

Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches

And Other Legumes

To Increase Your Yield and to Improve Your Soil Use

THE MULFORD NITRO-GERM

Scientifically Prepared and Tested

SMALL COST—LARGE RETURNS—EASY TO USE—NO LABOR EXPENSE



THE MULFORD NITRO-GERM consists of pure, tested cultures of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase the yield.

THE MULFORD NITRO-GERM is prepared and tested by experts in the biological laboratories of H. K. Mulford Co., Philadelphia, U. S. A., with the same degree of care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the world.

Uninoculated ALFALFA Inoculated
Photographed (same scale). Plant on left is not inoculated.
Plant on right inoculated with The Mulford Nitro-Germ.
All other conditions identical. THE CON-
TRAST SPEAKS FOR ITSELF.

Be sure to always specify the particular legume for which The Mulford Nitro-Germ is desired, otherwise we will not know how to fill your order.

ALFALFA (Lucerne)	COW PEAS	SWEET PEAS
CRIMSON CLOVER	SOY BEANS	GARDEN PEAS
SWEET CLOVER	CANADA FIELD	GARDEN BEANS
WHITE CLOVER	PEAS	LIMA BEANS
RED CLOVER	PEANUTS	Lupins
ALSIKE CLOVER	SPRING VETCH	Sainfoin
Mammoth Clover	WINTER VETCH	Beggar Weed
Burr Clover	Horse Beans	and others
Yellow Clover	Velvet Beans	
Berseem Clover	Perennial Peas	

Those printed in CAPITAL LETTERS can be shipped immediately from stock. The others will be prepared to order and can be shipped in a few days.

Prices

The Mulford Nitro-Germ is supplied for the varieties of legumes indicated at the following prices:

Garden Size (about $\frac{1}{4}$ acre) \$5.00
One-Acre Size 1.50

Five-Acre Size 5.00
(Not returnable)

Special prices on lots of twenty-five acres or more on one order, either of one kind or assorted.

Why buy expensive commercial nitrates when you can grow legume crops and thus increase the yield and at the same time replace the nitrates, enrich and renovate the soil by Nature's own method.

Write to-day for free booklet describing the preparation and use of
THE MULFORD NITRO-GERM

THE DAYS OF USING SOD

will soon be over, when people know how easily beautiful lawns are made ready for cutting in from 5 to 8 weeks by sowing Johnson's Lawn Grass Seed Mixtures. It is a well-ascertained fact that a thick and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some mature early, others late; so that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. For this reason, the judicious selection of grass seed, for the creation of a beautiful lawn or grass plot, or a durable pasture or hay crop, requires a knowledge obtainable only by an intimate study of the habits of varieties as respects quality of herbage and vigor of constitution. It is not sufficient to select the one grass indigenous to the soil or climate, for it may not possess the many qualities requisite for the purpose desired, for hardiness and permanence, which combination of qualities and character is best found in a mixture of sorts.

A quart of Lawn Grass will sow about 300 square feet. Three to four bushels will sow an acre. Instructions how to prepare and sow a lawn accompany each package or bag of seed.



Johnson's "Fancy" Evergreen Lawn Seed

will produce a permanent and velvety deep green sward at all seasons.
Equally valuable for renovating old and worn-out lawns

This is our best mixture of the best deep-rooted, native and acclimated foreign, fine-leaved grasses, properly blended, so they can not be excelled for the purpose, standing the extremes of heat, drought and cold. This is really the cheapest, cleanest and heaviest mixture of Lawn Grass Seed ever offered, because, while other mixtures on the market will not average over 14 lbs. to the bushel, this weighs 20 lbs. per bushel. Price, qt., 20c. (qt., postpaid, 25c.); 4 qts., 60c.; peck, \$1.00; bush. 20 lbs., \$4.00.

Johnson's Standard Evergreen Lawn Seed Mixture

Johnson's Standard Evergreen is a well-balanced combination made from our own formula, of fine native grasses that will produce a beautiful effect throughout the whole of the growing season. It has become standard, being largely used on the best public and private grounds around Philadelphia, New York and other large cities. Price, per qt., 15c. (qt., postpaid, 20c.); peck, 75c. bushel, \$3.00.

Fairmount Park Lawn Grass Seed Mixture

This mixture we supplied for many years to Fairmount Park, the largest in the world. It will give good results where the finest grasses are not required, and is also valuable for use on railroad embankments, terraces and exposed lawns. Qt., 15c. (qt., postpaid, 20c.); peck, 75c.; bush., 14 lbs., \$2.50.

Johnson's Shadow Lawn Grass Seed

This is a new mixture, prepared especially for shady places

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places; for sowing in such places we recommend its use. Qt., 25c. (qt., postpaid, 30c.); peck, \$1.25; bush., \$4.50.

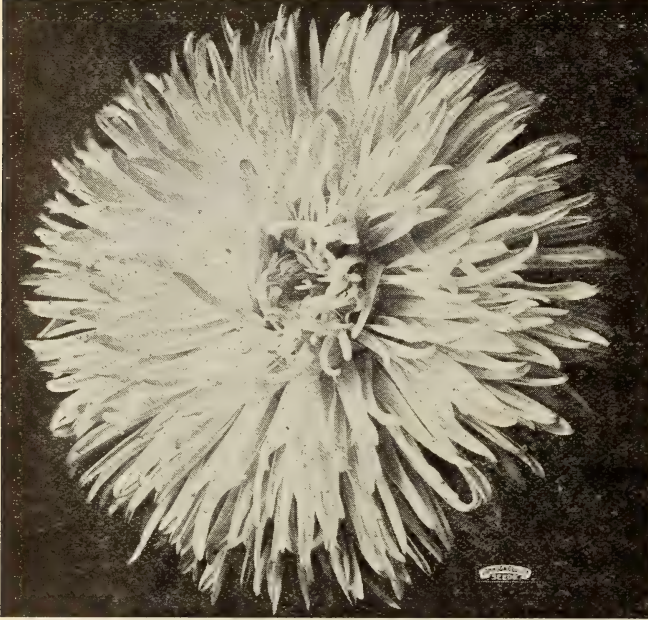
Where several bushels of Lawn Grass Seed are wanted, write for SPECIAL PRICES

JOHNSON'S
EXHIBITION

PRIZE ASTERS

The Highest Development has been attained in these Magnificent Asters
THE BEST INTRODUCTIONS FROM THE LEADING EUROPEAN AND AMERICAN
SPECIALISTS

We offer herewith a superb collection of Giant Asters, which cannot be surpassed for freedom of bloom, perfection of form, brilliancy of color and sturdiness of habit.



ASTER—GIANT OSTRICH PLUME. Per Packet, 10c.

Early Snowdrift Aster

376. The earliest aster in cultivation, being a few days in advance of Queen of the Market, while the flower is not surpassed in beauty by any of the later varieties. The leaves are narrow and sparse, and the branches spring from close to the ground. The entire energy of the plant seems given to the production of twelve to twenty long, slender, upright stems, crowned with immense feathery flowers. The long, recurved petals give the flowers an exceedingly graceful effect, heightened in many cases by the ragged, irregular character of the petals in the center of the flower. The type is well established, the flowers all coming perfectly double. Per packet, 10c.

NEW GIANT COMET ASTER

Triumph of Paris

378. A new aster of very handsome and striking appearance. It is of pyramidal habit, grows 2 to 2½ feet high, and produces large flowers 4½ to 6 inches across, with long, pure white outer petals, in the center of which the quilled disc florets form a bright golden-yellow wreath. Per packet, 10c.

Lavender Gem Aster

375. We cannot commend this magnificent ostrich-feathered aster too highly for its many excellent qualities. The color is an exquisite lavender, a profuse bloomer, of medium height, erect habit, and the flowers, which resemble a ragged chrysanthemum, are always double and borne on long, slender, wiry stems. Blooms very early, following the Queen of the Market and before the Daybreak. Per packet, 10c.

New White Aster, Mikado

291. A beautiful comet aster of American origin. The flowers are pure white and of immense size with petals curled and twisted in the center of the flower. It is of medium height and an excellent sort for bedding. Per packet, 10c.

Early Giant Ostrich Plume Aster

Extremely graceful asters with long, wavy, twisted petals, resembling the Japanese Chrysanthemums. The flowers attain a large size, measuring 4 ins. across; extra early, free bloomers, and invaluable for cutting.

292. White	296. Dark Blue
293. Rose	297. Mixed
294. Lavender	288. Crimson
295. Light Blue	289. Light Yellow.

Sunset Aster

300. Similar in habit to the Daybreak Aster. The flowers are a delicate shade of light pink, shading to a deep, rich pink in the center, globe-shaped, borne on long, stiff stems, and a profuse bloomer. Per packet, 10c.

New Royal Purple Aster

377. The flowers of this superb strain are large and full, with centers well covered. Although an offshoot from the popular Branching Aster, it is entirely distinct in flower and habit. It is a vigorous grower and comes into bloom a few days after the Queen of the Market, and is an invaluable variety for cutting. Per packet, 10c.

Purity Aster

315. Possessing all the good qualities of the Daybreak, with which it is identical in form and habit, but the color is a pure white. Excellent for cutting. Per packet, 10c.

JOHNSON'S
EXHIBITION

PRIZE ASTERS

Early
White Branching

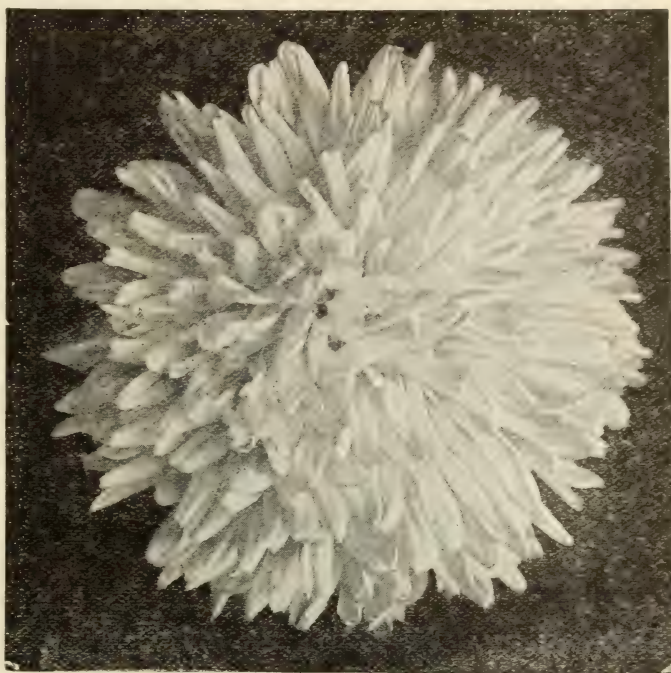
298. This beautiful aster is a distinct advance in the branching class. It begins blooming in profusion two weeks earlier than the Late Branching, and the large white flowers borne on extra long stems give it an additional value as a cut flower and for vases. Per packet, 10c.

Giant White
Hohenzollern Aster

299. A magnificent aster borne on long stems, of tall branching habit. The flowers are a pure glistening white, measuring 6 to 8 inches across, extremely double, with gracefully curled petals resembling a Japanese Chrysanthemum. As a late cutting variety it has no equal. Per packet, 10c.

New Cardinal Aster

379. As its name indicates, this new and distinct aster is a bright rich carmine and surpasses all other asters for brilliancy in color and profusion of bloom. The flowers are large, round and full and borne on graceful stems of average length. As a bedding aster it vies with the Scarlet Sage and blooms from early August until late in the fall. Per packet, 10c.



LATE BRANCHING ASTER (See Page 62).

HERCULES WHITE ASTER

317. This new aster has a most imposing aspect. The plants throw up strong stems 15 to 20 inches high, which branch about 4 inches from the ground, bearing at their summit many central flowers, while on the side shoots appear 4 to 6 secondary blooms. The flowers are of the purest white, with very long petals, and attain the enormous diameter of 6 to 7 inches, and can be compared to the large exhibition flowers of the Giant Chrysanthemum. It is excellent either for cut flowers or for planting in borders in the open ground. Per packet, 15c.

Aster, Violet King

290. A distinct soft violet aster measuring 4 to 5 inches across, of vigorous habit, long stiff stems, and blooming ten days earlier than the Improved Semple's Branching. The petals somewhat resemble the quilled varieties, but much larger and broader, those in the center being curled and incurved, completely covering the crowns. Per pkt., 10c.

DAYBREAK ASTER

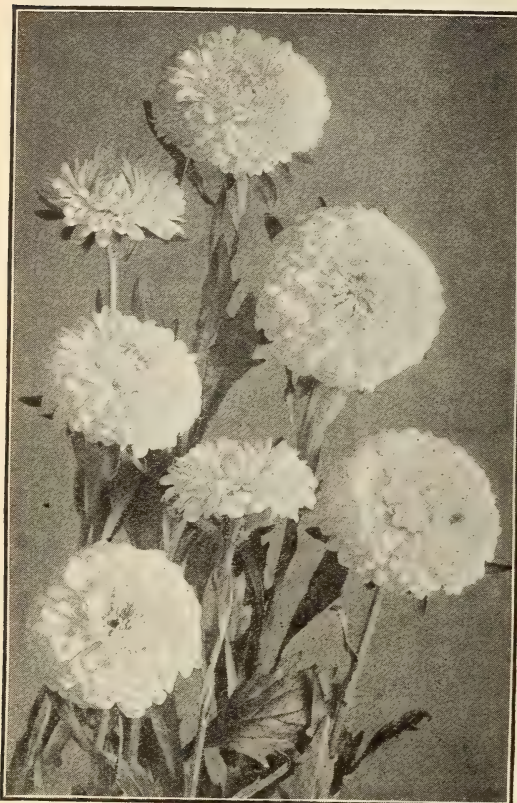
314. Beautiful free blooming pink aster, of bushy, branching habit, borne on long, stiff stems about 2 feet high. The flowers are extremely double, with incurved petals and unsurpassed for cutting purposes. Per packet, 10c.



ASTER—VIOLET KING. Per pkt., 10c.

Johnson's Superb Asters

We offer herewith a superb collection of Giant Asters grown by eminent specialists, which cannot be surpassed for freedom of bloom, perfection of form, sturdiness of habit and brilliancy of coloring.



ASTERS

QUEEN OF THE MARKET

	PER PKT.
306 Purple	.....\$0 10
305 Light Blue	..... 10
303 Pink	..... 10
304 Crimson	..... 10
302 White	..... 10
307 Mixed	..... 10

Three weeks
earlier than
other
Asters

TRUFFAUT'S PRIZE. Pæony Flowered.

	PER PKT.
322 Crimson	..... 10
323 Light Blue	..... 10
318 Brilliant Rose	..... 10
324 Purple Violet	..... 10
321 White	..... 10
326 Mixed	..... 10

Large flowers
of free
branching
habit.

VICTORIA DWARF. Best for Pots.

	PER PKT.
355 White	..... 10
357 Light Blue	..... 10
356 Deep Pink	..... 10
308 Purple	..... 10
358 Scarlet	..... 10
359 Rose, Tinted White	..... 10
360 Mixed	..... 10

ASTERS

GIANT VICTORIA. Large flowers, measuring 5 inches across.

	PER PKT.
367 Snow White	.....\$0 10
373 Rose	..... 10
370 Azure Blue	..... 10
371 Bright Crimson	..... 10
368 Peach Blossom Pink	..... 10
369 Dark Violet	..... 10
372 Mixed, oz., \$2.00	..... 10

IMPROVED SEMPLE'S BRANCHING

	PER PKT.
309 Lavender	..... 10
400 Rose Pink	..... 10
313 Shell Pink	..... 10
401 Purple	..... 10
311 Crimson	..... 10
310 White	..... 10
312 Choice Mixed	..... 10

Late
flowering,
resembling
a
chrysanthemum

EARLY HOHENZOLLERN, Flowers measure four to five inches across.

	PER PKT.
402 Azure Blue	.....\$0 10
403 Bride. White, changing to rose	..... 10
404 Crimson	..... 10
405 Pink	..... 10
406 White	..... 10
407 Mixed	..... 10

BRANCHING COMET. Large flowers of pyramidal habit.

	PER PKT.
408 Giant White	.....\$0 10
409 Pink	..... 10
410 Crimson (semi-double)	..... 10
411 Mixed	..... 10

COMET. Large Double Flowers.

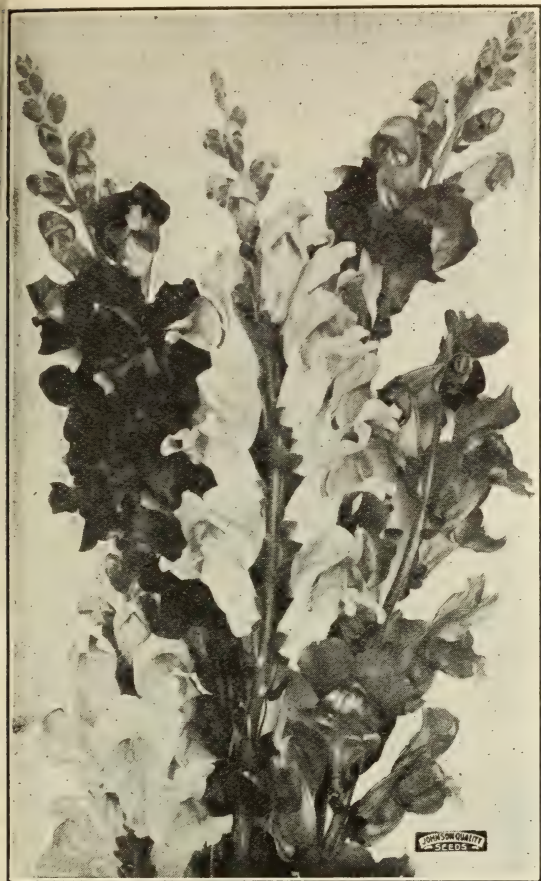
	PER PKT.
412 Dark Blue	.....\$0 10
413 Light Blue	..... 10
346 Carmine	..... 10
348 Deep Pink	..... 10
349 Pink and White	..... 10
345 White	..... 10
347 Mixed	..... 10

CREGO. Very early; similar to Queen of the Market, but with larger flowers.

	Per Pkt.
414 White	.....\$0 10
415 Shell Pink	..... 10
416 White Fleece. Pure White, measuring 6 inches across	..... 15
417 Japanese or Tassel. Mixed	..... 10
354 Ball or Jewel. Mixed	..... 10
329 Crown. Mixed	..... 10
331 German Quilled. Mixed	..... 5

JOHNSON'S SUPERB ASTERS. An unrivalled collection of the most desirable large flowering sorts for cutting.

	PER PKT.
363 Johnson's Superb White Sorts	.....\$0 10
362 Johnson's Superb Mixed	..... 10



GIANT ANTIRRHINUM (SNAPDRAGON)

AGERATUM

	Per Pkt.
100 Mexicanum. Blue	\$0 05
101 Lasseauxi. Rose	5
105 Little Dorrit. Azure blue.....	5
106 Swanley Blue. Large flowers, fine..	5
107 Blue Perfection	5
109 Princess Victoria Louise. Blue, white center	10
110 Imperial Dwarf. White.....	5
111 Imperial Dwarf. Blue.....	5
102 Choice Mixed	5

ALYSSUM

140 Benthani (Sweet Alyssum).....	5
145 Little Dorrit. Of dwarf, compact habit	5
142 Little Gem, or White Carpet.....	5
143 Saxatile compactum. Yellow.....	5

AMPELOPSIS

180 Veitchi (Japanese Ivy). Per oz., 20c	5
--	---

AQUILEGIA (Columbine)

237 Chrysantha. Yellow	5
238 Chrysantha Alba. White.....	5
239 Coerulea. Blue	5
242 Haylodgensis Delicatissima. Pink..	10
240 Single Mixed	5
241 Double Mixed	5

CALCEOLARIA

523 English Prize. Mixed. Per 500 seeds, 35c; per 1,500 seeds, 60c.	
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ANTIRRHINUM (Snapdragon)

Invaluable for cutting, either in Summer or Winter, keeping fresh for several days after being cut.

Per Pkt.

225 Giant White	(These produce tall spikes and a wide range of rich and brilliant colors. Height, 1½ feet.)	....\$0 10
226 " Garnet		.... 10
227 " Pink		.... 10
228 " Scarlet		.... 10
229 " Striped		.... 10
230 " Yellow		.... 10
231 " Mixed		.... 10
220 Tom Thumb, Mixed		5
221 Majus, Tall Mixed		5
223 Queen of the North. White.....		10
224 Queen Victoria (New). Large-flowering, pure white; fine for cutting		10

ASPARAGUS

(Fresh Green-house Grown Seed)

235 Plumosus Nanus.		
Per 100 seeds	\$0 75	
" 1,000 seeds	4 00	
" 5,000 seeds	16 00	
" 10,000 seeds	30 00	
(Lath-house Grown Seed)		
Per 100 seeds	40	
" 500 seeds	1 50	
" 1,000 seeds	2 60	
" 5,000 seeds	12 00	
236 Sprengeri.		
per 250 seeds	30	
" 1,000 seeds	85	
" 5,000 seeds	3 25	

BEGONIA

Per Pkt.

420 Tuberous Rooted, Single Mixed....	\$0 15
421 Tuberous Rooted, Double Mixed...	25
423 Semperflorens Vernon. Orange carmine	10
424 Semperflorens Vernon. Grandiflora. Large flowered	15
422 Rex Hybrids (Ornamental Leaved). Per 1000 seeds, 75c.....	25

BELLIS PERENNIS

Double English Daisy

1020 Choice mixed	10
1023 Snowball. White	10
1022 Longfellow. Rose	10
1025 Monstrosa. White	15
1026 Monstrosa. Pink	15

BALLOON VINE

340 Balloon Vine (Love in a Puff)....	5
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BALSAM (Lady Slipper)

(Camellia Flowered)

389 Double Pink	5
387 " Scarlet	5
380 " White (Perfection)	5
386 " Royal Mixed	10
384 " Tall Mixed	5
2090 Balsam Apple	5
2091 Balsam Pear	5

490 CANARY BIRD FLOWER

(Tropæolum)

Beautiful Canary Yellow Climber.	5
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CANNA

645 Crozy's Large Flowering, Mixed..	5
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CANDYTUFT

	Per oz.	Per pkt.
626. Candytuft. Lavender.....	\$0 25	\$0 05
625. Empress, pure white. Per 1/4 lb. 75c.....	25	10
621. Crimson		5
622. Carmine		5
629. White Rocket.....	20	5
620. White Fragrant.....	20	5
623. Tom Thumb, white, best for pots and edgings.....	20	10
627. Tom Thumb, mixed.....	30	10
628. Little Prince, dwarf white, fine	35	10
624. Fine Mixed. Per lb., 60c..		5

CALENDULA (Pot Marigold)

Valuable for cutting or growing
in pots.

	Per oz.	Per pkt.
545. Lemon Queen. Flowers meas- ure 4 to 5 inches across	\$0 20	\$0 05
540. Meteor. Yellow striped orange.	20	5
541. Prince of Orange. Somewhat dark- er than above.	20	5
544. Orange King. Dark orange..	20	5
546. Pure Gold. Fine golden yellow..	20	5
547. Sulphurea. Double sulphur yellow	20	5
548. Favorite. Light yellow, striped white	20	5
549. Pongeil, fl. pl. Double white..	20	5
550. Pluvialis. (Cape Marigold). Sing- le white.....	20	5
543. Mixed. All the double sorts... ..	15	5

CAMPANULA

	Per pkt.
603. Carpatica. Blue.....	\$0 05
605. Carpatica. White	5
606. Pyramidalis (Chimney Bell Flow- er). Blue.....	5
604. Calycanthema. (Cup and Saucer). Mixed	10
601. Media. Single, mixed.....	5
602. " Double, mixed.....	5

CELOSIA

678. Cristata. Glasgow Prize. Dark crimson	5
681. " Empress. Dark purplish crimson	10
680. " Queen of the Dwarfs. Dark crimson rose....	10
676. " Variegata. Curiously va- riegated	5
679. " Mixed. Dwarf Sorts....	5
670. Plumosa. Golden Plume. Yellow..	10
672. " Thompsonii (Triomphe de l'Exposition). Crimson,	10
673. " Thompsonii Magnifica. Various colors.....	10
671. " Spicata. Silvery rose; fine for pots.....	10
684. " Mixed. All colors.....	5
682. " Ostrich Feather. Crimson,	10
683. " Ostrich Feather. Orange,	10

CARNATION
MARGUERITE

The Earliest Carnation

Blooms in
July and
August
from
Spring
Sown
Seed

Carnation Marguerite

	Per pkt.
656. Crimson	\$0 10
657. White	10
658. Rose	10
669. Yellow	10
659. Striped	10
655. Scarlet	10
663. Mixed	10
668. Giant Marguer- ite. Mixed.. ..	10
667. Chabaud's Everblooming	10

(will bloom in five months).....

HARDY CARNATIONS

666. Early Vienna. Mixed.....	5
660. Fine Double. Mixed.....	10
661. Finest German Double. Mixed....	15

CINERARIA

742. English Prize. Large flowering; tall; mixed	35
743. English Prize. Large flowering; dwarf; mixed	35
744. Stellata (Star Cineraria). Mixed; splendid for cutting	25
740. Candidissima } white leaved sorts	5
741. Acanthifolia } Dusty Miller or	5

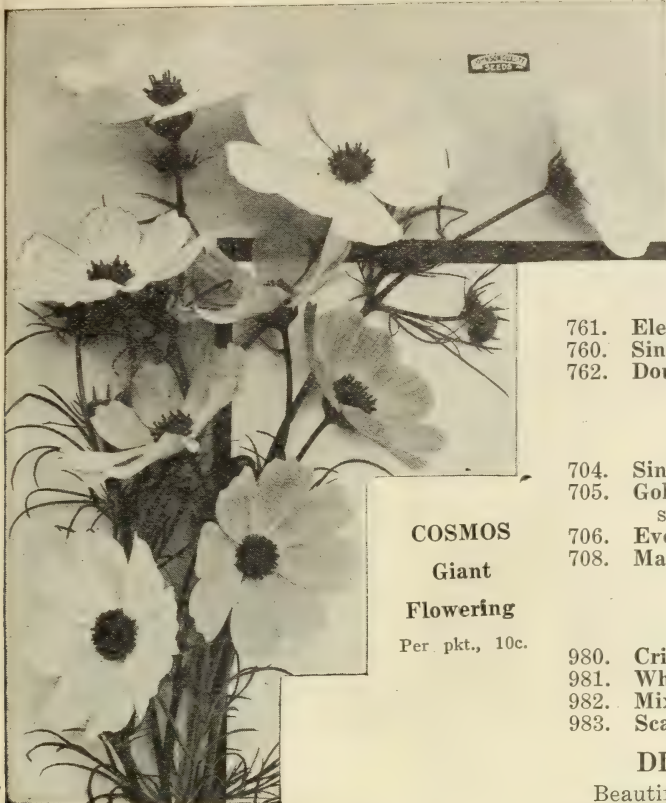
CLEMATIS

(Hardy Perennial Climbers)

780. Jackman's Large Flowering Hybrids	10
781. Coccinea Scarlet. Tubular flowers	10
783. Flammula. White, sweet scented..	5
784. Paniculata. One of the finest; star shaped white flowers; strong grower; very hardy	10

CALLIOPSIS

	Per oz.	Per pkt.
564. Golden Wave	\$0 20	\$0 05
562. Choice Mixed	20	5
563. Lanceolata Grandiflora. Large yellow, perennial..	20	5

**COSMOS**

Giant

Flowering

Per pkt., 10c.

COSMOS

Per pkt.

935. Lady Lenox. New giant shell pink; flowers are of extraordinary size, measuring 6 to 7 inches across\$0 10
930. Giants of California, mixed.. 5
937. Giant Perfection, pink 10
939. " " white 10
940. " " crimson .. 10
932. " " mixed 10
934. Early Dwarf Dawn, white, tinged pink, 10
936. Extra Early Flowering, mixed 10

CENTAUREA

685. Candidissima. White leaved, 1,000 seeds, 50c (Dusty Miller) 10
686. Gymnocarpa. White leaved, 1,000 seeds, 25c (Dusty Miller) 10
702. Suaveolens (yellow sweet Sultan) 5

CENTAUREA CYANUS

(Cornflower)

688. Emperor William. Deep blue 5
691. Double Blue. Splendid for forcing 10
692. Pink 5
689. White 5
693. Choice Mixed. (Per oz., 20c) 5
694. Double Mixed. (Per oz., 50c) 10

CENTAUREA IMPERIALIS

(Giant Cornflower)

695. Deep Rose 10
696. Lavender 10
697. Lilac 10
698. Brilliant Pink..... 10
699. Purple 10
700. White 10
701. Choice Mixed 5

800. Cleome Pungens (Giant Pink Spider Plant). \$0 05

COBÆA

840. Scandens. Beautiful blue climber 10
841. Scandens Alba, white flowered 10

COLEUS

860. Large flowering, mixed 15

CLARKIA

761. Elegans (Purple King) 5
760. Single Mixed 5
762. Double Mixed 5

CHRYSANTHEMUM

(Single Annual Varieties)

704. Single Mixed 5
705. Golden Wheel. Yellow quilled shaped flower 5
706. Evening Star 5
708. Maximum (Perennial). Snow white 5

CYPRESS VINE

(Star Shaped Flowers)

980. Crimson. Per oz., 25c 5
981. White. Per oz., 25c..... 5
982. Mixed. Per oz., 25c..... 5
983. Scarlet, Ivy Leaved. Per oz., 25c.. 5

DIGITALIS OR FOXGLOVE

Beautiful hardy perennials of easy culture. Long spikes of showy flowers, many beautifully spotted; height, 3 to 5 feet.

1120. Mixed Colors..... 5
1121. Gloxiniae Flora. Gloxiniae shaped flowers, a lovely type..... 5



CENTAUREA IMPERIALIS (CORNFLOWER), PER PKT., 5c



DIANTHUS OR PINKS

DIANTHUS OR PINKS

Large flowering, brilliant, fragrant, hardy biennials, but treated as annuals, flowering profusely the first season until frost, and blooming again the following season. Invaluable for beds and borders. Height, 1 foot.

DOUBLE ANNUAL PINKS

	Per pkt.
1080. Chinensis. (Chinese Pink) Mixed.	\$0 05
1081. Diadematus. (Diadem Pink) Mixed	5
1104. Fireball. Brilliant scarlet.....	5
1105. Heddewigii. (Japan Pink) Mixed.	5
1084. Imperialis. (Imperial Pink) Mixed	5
1085. Laciniatus. (Fringed Pink) Mixed	5
1092. Mourning Cloak. Crimson-fringed white	5
1095. Nobilis. (Royal Pink) Mixed....	10
1097. Salmon King. Salmon rose.....	10
1098. Snowball. Large white.....	5

SINGLE ANNUAL PINKS

1086. Crimson Belle. Rich crimson....	5
1087. Eastern Queen. Pink flowers, measuring 2 to 4 inches across	5
1090. Heddewigii (Japan Pink). Mixed.	5
1088. Snowflake. White fringed.....	5
1094. Nobilis (Royal Pink). White to dark red	10
1089. Laciniatus (Fringed Pinks). Mixed	5

1096. Stellaris (Star Pink). Beautiful shades	\$0 10
1093. Salmon Queen. Brilliant salmon	10
1115. Vesuvius. Orange scarlet	10
1100. Punctatus (Princess Pink s). Fringed flowers; beautiful shades	10

HARDY GARDEN PINKS

1101. Clove Scented. Double mixed	10
1102. Dwarf Erfurt. Fragrant; mixed colors.	10
1082. Pheasant's Eye (Plumarius). Single fringed flowers.	5
1083. Plumarius (Hardy Garden Pink). Double mixed	10

DAHLIA

1000. Choice Double Mixed,	10
1001. Choice Single Mixed..	5
1002. Double Cactus Mixed,	10

DELPHINIUM (Perennial)

(Larkspur)

1067. Chinense. Blue; various shades	5
1060. Formosum. Dark blue, white eye	5
1069. Nudicaule. Dwarf scarlet	10

DOLICHOS

(Hyacinth Bean)

Annual Climber; 10 feet.	
1125. Darkness or Soudan. Purple violet; 6 feet,	10
1126. Mixed. Purple and white	5

EDELWEISS

1190. The Sunflower of Switzerland. An interesting white-leaved plant of easy culture	15
---	----

ESCHSCHOLTZIA

(California Poppy)

1182. Single Mixed. All colors	5
1184. Double Mixed. All colors.....	5

EVENING PRIMROSE

2260. Delicate pale yellow flowers.....	5
---	---

EVERLASTING FLOWERS

Used as dried flowers for bouquets, wreaths, etc.

1242. Gomphrena Mixed (Bachelor's Button)	5
1244. Helichrysum. Double mixed....	5

GAILLARDIA

(Blanket Flower)

Showy annuals, blooming profusely all Summer.

1300. Lorenziana. Double mixed.....	5
1301. Picta. Single mixed	5

GERANIUM

Will flower from seed the first season.

1320. Zonale. Scarlet in mixture.....	10
1321. Apple Scented. Very fragrant..	10

GLOXINIA

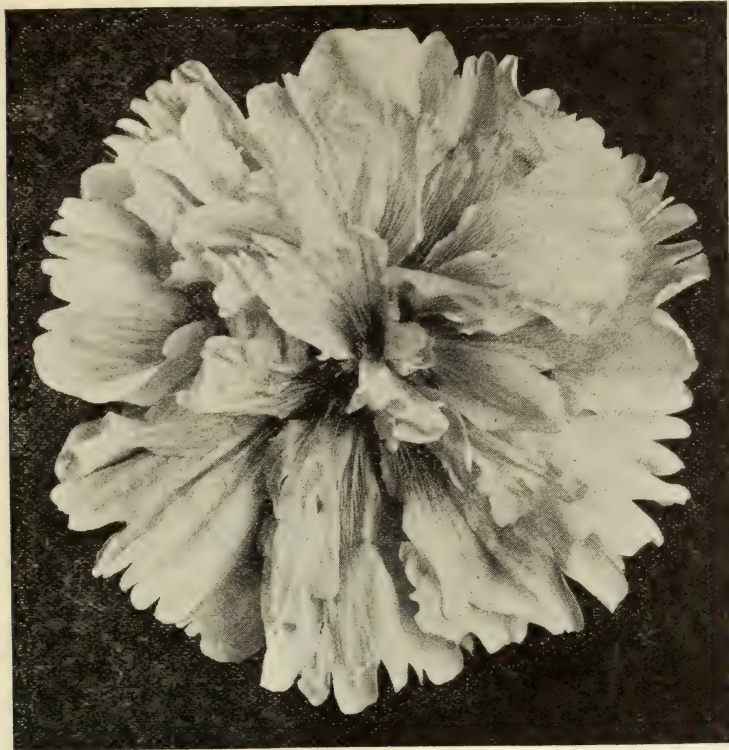
Charming greenhouse plants.

1380. Grandiflora. Choice mixed sorts..	25
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GODETIA

(Satin Flower)

1402. Choice Mixed Varieties.....	5
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MAMMOTH ALLEGHENY HOLLYHOCK. PER PKT., 10c.

GOURD (Ornamental)

Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curiously shaped fruit.

- | | |
|--|----------|
| | Per pkt. |
| 1405. Calabash, or Dipper. Very useful, | \$0 05 |
| 1406. Egg-Shaped. White like an egg. | 5 |
| 1407. Hercules Club. Club shaped; 4 feet long | 5 |
| 1408. Luffa. (Dish Rag or Bonnet Gourd) | 5 |
| 1409. Orange-Shaped. (Mock Orange). | 5 |
| 1410. Pear-Shaped. Striped; very showy. | 5 |
| 1411. Serpent. Striped like a serpent; 5 feet long. | 5 |
| 1412. Sugar Trough. Used as water holders | 5 |
| 1413. Mixed. Ornamental varieties .. | 5 |

GREVILLEA ROBUSTA

- | | |
|---|----|
| 1460. (Silk Oak). Beautiful and graceful fern-leaved foliage plant .. | 10 |
|---|----|

GYPSOPHILA (Baby's Breath)

Dainty free flowering plants of easy culture. Fine for mixing in bouquets, giving them an airy look that is charming; 1½ feet high.

- | | |
|--|---|
| 1480. Elegans. Star-shaped, white and pink flowers | 5 |
| 1481. Paniculata. Produces numerous panicles of small, white, handsome flowers; fine for bouquets .. | 5 |

HELIOTROPE

Deliciously fragrant flowering plants, 1 to 2 feet high. Favorites for pot culture in Winter, and bedding in Summer.

- | | |
|---|----|
| 1520. Finest Mixed | 05 |
| 1521. King of the Blacks. Rich purple. | 10 |
| 1522. Lemoine's Giant Hybrids. Immense clusters; very fragrant. | 10 |

**JOHNSON'S
Ever-blooming Annual
HOLLYHOCKS**

Will bloom the first season from seed sown in May. The flowers measure 5 inches across, with a wide range of the most brilliant and exquisite colors. The plants attain a height of from 8 to 10 feet and bloom profusely until frost.

- | | |
|-------------------|----------|
| 1565. Johnson's | Per pkt. |
| Ever - blooming, | |
| single | \$0 10 |
| 1566. Johnson's | |
| Ever - blooming, | |
| double | 10 |
| 1567. Johnson's | |
| Ever - blooming, | |
| double fringed .. | 15 |

**New Mammoth Flowering
"Allegheny Hollyhocks"**

1564. The flowers are from 4 to 6 inches in diameter, ranging from semi-double to double and finely fringed and curled.

The colors are shell pink, rose and ruby red, a shade or two deeper at the center, and exquisitely tinted towards the edge. Per pkt., 10c.

DOUBLE HARDY HOLLYHOCKS

- | | | |
|----------------|---------------|----------|
| | Prize Double, | Per pkt. |
| 1557. Chaters. | Red.... | \$0 10 |
| 1562. " " | " Pink.... | 10 |
| 1560. " " | " White... | 10 |
| 1561. " " | " Yellow.. | 10 |
| 1558. " " | " Salmon.. | 10 |
| 1559. " " | " Crimson. | 10 |
| 1563. " " | " Mixed... | 10 |

HUMULUS (Japanese Hop)

A rapid growing annual climber, with luxuriant foliage.

- | | |
|---|-----------------|
| 1620. Japonicus. Dense green foliage.. | Per pkt. \$0 05 |
| 1621. Variegatus. Leaves mottled with white | 10 |

KENILWORTH IVY (Linaria Cymbalaria)

- | | |
|---|---|
| 1780. A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet | 5 |
|---|---|

KOCHIA TRICHOPHYLLA (Summer Cypress)

1781. An attractive, easily grown annual, of oval bush form, attaining a height of 2½ feet; its cypress-like foliage changing from a beautiful light green to a fiery crimson hue late in the Summer. An ideal plant for lawn decoration. Per pkt., 10c.

LANTANA (For pot or Garden Culture)

- | | |
|---|----------------|
| 1720. Hybrida. New French Hybrids, mixed. | Per pkt., 10c. |
|---|----------------|

LARKSPUR

Quick-growing, free-flowering annuals.

- | | |
|---|-----------------|
| 1065. Drawf German Rocket. Hyacinth-flowered Larkspur; mixed | Per pkt. \$0 05 |
| 1063. Emperor Larkspur. Has beautiful long spikes of brilliant dark blue, tri-color and red striped, double flowers | 5 |

LOBELIA

Charming dwarf plants of compact habit, flowering profusely the first season from seed. Highly desirable for pot culture, edgings and hanging baskets. Height 6 inches. Per pkt.

	deep blue	\$0 10
1841.	Emperor William. Sky-blue....	10
1844.	Speciosa (Trailing). Dark blue..	5
1840.	Crystal Palace Compacta. Rich	
1843.	Blue King. Dark blue with white	
	eye	10
1846.	Snowball. Pure white	10
1847.	Gracilis (Trailing). Light Blue..	5
1845.	Mixed Compacta Varieties.....	5
1848.	Mixed Trailing Varieties	5

MARIGOLD

Well-known annuals, very free flowering and of easy culture. The African varieties have large yellow or orange-colored flowers, and are adapted to large beds. The French are dwarfed in growth, with beautiful striped flowers, and are better suited for pot culture.

AFRICAN VARIETIES

	Per Oz.	Per Pkt.
1945.	Orange. Rich orange color. \$0 40	\$0 05
1941.	Eldorado. Large, quilled perfectly double; brilliant shades of yellow..	40 5
1947.	Pride of the Garden. Extra-large, double flowers of richest yellow; dwarf and neat	10
1948.	Lemon Queen. Very rich lemon-yellow	40 10
1949.	Prince of Orange. Beautiful orange color	40 5
1943.	Mixed Double	40 5

FRENCH VARIETIES (12 Inches)

1940.	Gold Striped. Double	5
1944.	Legion of Honour. Single, yellow and red	5
1946.	Liliput (The Miniature Marigold). Mixed	5
1942.	Dwarf French Mixed	5

MARVEL OF PERU (Mirabilis)
(Four-o'clocks)

The Marvel of Peru, or Four-o'clocks, is a pretty, free-flowering annual of easy culture, that grows and flowers in almost any situation.

	Per Oz.	Per Pkt.
1960.	Mixed Choice Colors. Oz., 10c....	\$0 05
1961.	White Tom Thumb. Plant grows 10 inches high. Snow-white flowers	5

MESEMBRYANTHEMUM

2000.	M. Crystallinum (Ice Plant). Flowers white, with ice-like foliage	5
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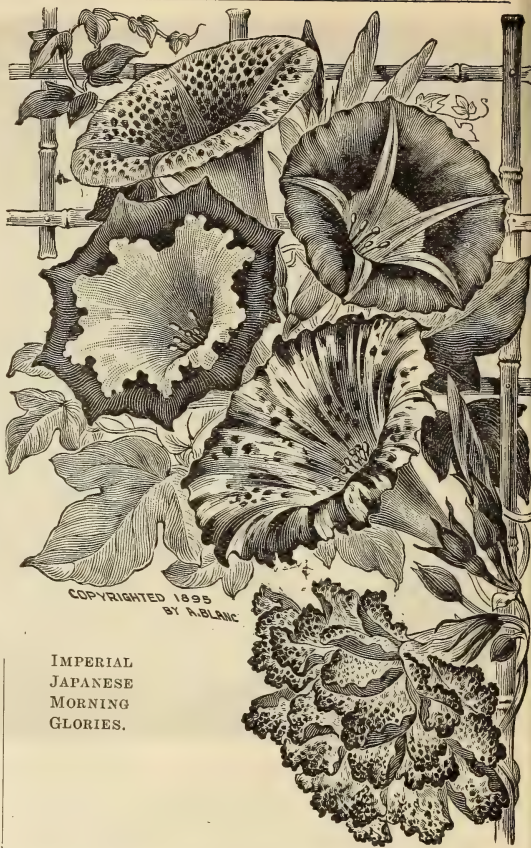
MIGNONETTE (Reseda)

This deliciously fragrant annual is a favorite with all. It does best in a cool situation.

2020.	Sweet Scented. Oz., 10c.	\$0 05
2022.	Golden Queen. Golden yellow..	5
2024.	Machet. Very compact; fine for pot culture; red. Oz., 35c.	10
2025.	Gabrielle. Large spikes of red flowers; very fragrant; fine for pot culture	10
2026.	Miles' Hybrid Spiral. Pure white,	5
2027.	Giant White Spiral. Oz., 25c....	5
2028.	Red Victoria. Dwarf branching habit, very sweet, red flowers.	10
2029.	Allen's Defiance. Immense spikes, 12 to 15 inches long; very fragrant	10

MIMOSA (Sensitive Plant)

2040.	Pudica. Pinkish white flowers....	5
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925. The surpassing charm of these imperial Japanese Morning Glories lies in the entrancing beauty and gigantic size of the flowers; they measure from four to six inches across. The colors of the flowers, shadings and markings are limitless. 3 pkts., 25c. 10
920. Tricolor Roseus. Rose color, with white center and bands of golden yellow 5 |

921. Major, Mixed. Common Morning Glory. Oz., 15c 5 |

MOONFLOWER

(Ipomœa Grandiflora Noctiflora.)

1664. The White-seeded Moonflower. The most rapid-growing of all annual climbing vines. The vines are literally covered with thousands of immense, pure white, fragrant flowers, opening in the evening and remaining open until noon the following day, and if cloudy, all day, many of them measuring over seven inches across. Pkt. 10c; 3 pkts, 25c.

MYOSOTIS (Forget-Me-Not)

Charming plants of bushy form, growing 5 to 7 inches high and blooming the first season from seed.

2101.	Alpestris. White	\$0 05
2105.	" Rose	5
2104.	" Blue	5
2103.	" Victoria. Dwarf. Blue,	10
2106.	" Eliza Fonrobert; blue,	10
2107.	" Fine Mixed	5
2112.	Palustris Semperflorens. Blue, ever-blooming	10
2100.	Palustris. (True Forget-me-not). Blue	10
2102.	Dissitiflora. Blue, early flowering,	10

JOHNSON'S
RAINBOW

Nasturtiums

GIANT
FLOWERING

A marvelous range of new colors has been developed in this favorite flower which is in constant bloom throughout the season, and if these are kept well picked so that the plant cannot produce seed they will continue to flower until frost. No other annual flower seed will produce such a lavish profusion of bloom for so long a time and with the same small outlay of care and attention.

One of our customers writes: "Your Rainbow Nasturtiums were the most brilliant and the largest flowered we have ever grown. They bloomed profusely from early Summer until frost, and made our garden gorgeous with bright coloring. The foliage was remarkably beautiful."



JOHNSON'S RAINBOW NASTURTiums. Per pkt., 5c.; per oz., 10c.; per ¼ lb., 20c.

Dwarf or Tom Thumb Nasturtiums

These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from seed, and most profusely till frost.

	PKT.	PER OZ.
2146. Aurora. Yellow, veined..	\$0 05	\$0 10
2121. Beauty. Yellow and scarlet	5	10
2132. Chameleon. Splashed with crimson, bronze and yellow	5	15
2133. Coeruleo-roseum. Blush rose	5	10
2122. Crimson	5	15
2134. Crystal Palace Gem. Yellow and carmine.....	5	10
2143. Empress of India. Deep crimson; fine dk. foliage	5	15
2123. Golden Cloth.. Golden yellow l'ves, scarlet flowers	5	15
2135. Golden King. Golden yellow-crimson, bronze and yellow	5	10
2136. King of Tom Thumbs. Scarlet	5	15
2144. King Theodore. Black, velvety	5	10
2145. Lady Bird. Yellow and red	5	15
2130. Prince Henry. Light yellow, marbled scarlet....	5	15
2124. Rose.	5	10
2125. Ruby King. Dark red....	5	15
2126. Spotted	5	10
2142. Spotted or Pearl	5	10
2141. Yellow	5	10
2147. Mixed Tom Thumb	5	10
2148. Johnson's Rainbow Mixed	5	10
Per ¼ lb., 20c.; per lb., 65c.		

Tall or Climbing Nasturtiums

Beautiful and luxuriant annual climbers, for trellises and arbors; of easiest culture, bearing their gorgeous flowers in profusion until killed by frost; 6 to 10 feet.

	PKT.	PER OZ.
2127. Jupiter. New giant-flowered, beautiful golden yellow	\$0 05	\$0 20
2128. Chameleon. Various	5	15
2129. Dark Crimson	5	10
2160. Edward Otto. Brownish lilac	5	10
2137. Hemisphaericum. Orange	5	10
2161. Heinemann. Chocolate ..	5	10
2180. King Theodore. Black....	5	10
2154. Orange	5	10
2162. Pearl. Whitish	5	10
2138. Regelianum. Purplish violet	5	10
2139. Moltke. Blush rose.....	5	10
2163. Rose	5	10
2155. Scarlet	5	10
2167. Striped	5	10
2168. Yellow	5	10
2169. Vesuvius. Salmon; dark leaved	5	10
2156. Johnson's Brilliant Tall, Mixed....	Per ¼ lb., 20c.; per lb., 60c.	

Lobb's Nasturtiums

Flowers more brilliant than the tall or climbing sorts, but a trifle smaller. Height, 6 feet.

	PKT.	PER OZ.
2152. Finest Mixture	\$0 05	\$0 10
2157. Madame Gunter Hybrids. A French strain noted for wide range of fine colors	5	10

JOHNSON'S KINGLY
COLLECTION OF

Prize-Winner Pansies

Headquarters for the Best French, English and German Strains



ONE OF OUR PRIZE-WINNERS

GIANT FLOWERING PANSIES

- | | | |
|------|--|-------------|
| 2281 | Bugnot's Superb Giant Blotched. | PER |
| | Seeds saved from an incomparable strain..... | PKT. \$0 15 |
| 2294 | Cassier's Giant Blotched. Rich colors, unsurpassed quality..... | 15 |
| 2273 | Masterpiece (Frilled Pansy). A magnificent giant variety, with curled petals, and wide range of rich colors..... | 15 |
| 2309 | Madame Perret. Beautiful wine shades, an early and vigorous giant strain of rare excellence.. | 10 |
| 2282 | Trimardeau Giant Mixed. Flowers attain an extraordinary size.... | 10 |
| 2280 | Imperial German Mixed. Beautiful giant blotched pansies..... | 15 |
| 2250 | Orchid-Flowered. A giant strain of surpassing beauty and indescribable markings..... | 15 |
| 2290 | Giant Adonis. Azure blue..... | 10 |
| 2275 | Giant Emperor William. Ultramarine blue, with violet blotches | 10 |
| 2251 | Giant Fire King. Golden yellow, upper petals purple..... | 10 |
| 2252 | Giant Hortensia. Beautiful red shades | 10 |
| 2278 | Giant Lord Beaconsfield. Purple, white petals..... | 10 |
| 2279 | Giant Odier. Large blotched or show pansies..... | 15 |
| 2253 | Giant President Carnot. Large, white, with violet blotches..... | 10 |
| 2213 | Giant Hero. Exquisite deep blue, shading to white on upper petals | 15 |

2299 Johnson's Kingly Collection of Prize-Winner Pansies are the product of the world's leading Pansy specialists, and veritable prize-winners wherever exhibited. Their extraordinary size, vigorous, compact habit, long, stiff stems, heavy texture, wide range of magnificent colors and distinctive markings have earned for them an international reputation for matchless quality, and pronounced by the leading florists and gardeners as the best strain obtainable. Pkt., 25c; 1/4 oz., \$1.00; oz., \$5.00.

GIANT FLOWERING PANSIES

- | | | |
|------|--|-------------|
| 2255 | Giant Psyche. Beautifully ruffled pansy; violet, with white margin..... | PKT. \$0 15 |
| 2312 | Giant Pretiosa. A giant blotched pansy of the Masterpiece type. Petals deep violet, edged with white on crimson rose ground..... | 15 |
| 2256 | Giant Parisian. Mostly five blotched, with great diversity of gay colors, fine..... | 10 |
| 2283 | Giant Prince Bismarck. Beautiful light brown shades..... | 10 |
| 2292 | Giant Striped. Very effective..... | 10 |
| 2265 | Giant Peacock. Ultramarine blue, edged with white..... | 10 |
| 2254 | Giant Emperor Franz Joseph (new). Giant white, with five large blotches of brilliant violet blue..... | 15 |
| 2289 | Giant Yellow. With dark eye..... | 10 |
| 2257 | Giant Yellow Gem. Without eye..... | 10 |
| 2288 | Giant White. With dark eye..... | 10 |
| 2291 | Giant Black. Dark and velvety... | 10 |
| 2263 | Giant Black Blue..... | 10 |
| 2310 | Giant Indigo King. The richest blue..... | 15 |
| 2316 | Triumph of the Giants (Mette). An European giant strain of rare shades and markings (originator's stock)..... | 20 |

POPULAR PANSIES

- | | | |
|------|---|----|
| 2286 | Black (Faust)..... | 5 |
| 2274 | Bronze Shades..... | 5 |
| 2262 | Emperor Frederick. Dark red..... | 5 |
| 2276 | English Large Flowering (Mixed) | 10 |
| 2306 | Mahogany Colored..... | 5 |
| 2308 | Azure Blue. Fine..... | 5 |
| 2264 | Meteor. Bright brown..... | 5 |
| 2277 | Fire Dragon. Fiery orange and bronze..... | 5 |
| 2284 | Quadricolor (Rainbow). Beautiful | 5 |
| 2285 | Snow Queen. Satiny white..... | 5 |
| 2287 | Striped and Mottled..... | 5 |
| 2258 | Red Riding Hood. Red..... | 5 |
| 2266 | Victoria. Bright wine red..... | 5 |
| 2297 | White. With dary eye..... | 5 |
| 2298 | Yellow. With dark eye..... | 5 |
| 2301 | Fine German Mixed..... | 5 |
| 2259 | French Mixed. Extra quality..... | 10 |



PETUNIA

2353 Johnson's Superb Ruffled Giants

Brilliant flowers of extraordinary size, with ruffled and fluted edges and the most beautiful markings. Per pkt., 25c.

	Per Pkt.
2348 Giants of California, mixed.....	\$0 25
2346 Giant, Single Fringed.....	20
2352 Large Flowering, Double Fringed.....	35
2351 Large Flowering, Double Mixed....	25
2354 New Snowball, fine for pots.....	10
2344 Howard's Star, rich crimson maroon with white stripe	10
2341 Blotched and Striped	5
2340 Dwarf Inimitable (Nana Compacta) ..	10
2342 Pure White	5
2345 Venosa Grandiflora, veined	10
2343 Single Mixed, all colors.....	5
2349 Giant Fringed, blue	15
2347 Giant Yellow Throated	20

SINGLE ANNUAL POPPIES

2377 Admiral. Pæony-flowered, large, glistening white flowers, with a broad band of brilliant scarlet around the top; beautiful.....	\$0 10
2379 Danebrog. Brilliant scarlet, with white spot on each petal, forming a white cross	5
2389 Fire Dragon. Deep scarlet, with black spots, margined white.....	5
2378 Flag of Truce. Large, pure white, very showy	5
2394 Maid of the Mist. Large, pure white, deeply fringed	5
2393 Miss Sherwood. Large, satiny white, upper half of petals chamois rose	10
2383 Shirley. Charming, gauzy and dainty flowers in wide range of color	5
2388 Tulip Poppy. Dazzling scarlet tulip-shaped flowers	5
2380 Umbrosam. Rich crimson, with black spot	5
2385 The Bride. Beautiful, large flowering, white	5
2391 Single Mixed. From a large collection; beautiful	5

DOUBLE ANNUAL POPPIES

	Per Pkt.
2382 Carnation Flowered. Double fringed flowers, large size and dazzling colors	5
2390 Pæony Flowered. Large, showy, globular flowers, in beautiful assortment of colors.....	5
2381 Mikado. Double scarlet, with white edgings	5
2387 White Swan. Pure white, delicately cut and fringed.....	5

PERENNIAL POPPIES

2386 Orientale. Enormous deep scarlet flowers, with black blotch on each petal; 3 feet.....	10
2392 Orientale Hybrids. Flowers measure 6 inches across; of the most beautiful shades; 3 feet.....	10
2397 Nudicaule, Mixed. (Iceland Poppies.) Brilliant colors, flowers in lavish profusion the first year from seed	10

PHLOX DRUMMONDII

Dwarf or Compact Varieties

2350 Cecily. Large flowering, mixed...	10
2355 Crimson, with White Eye.....	10
2356 Deep Scarlet	10
2357 Fireball. Brilliant scarlet	10
2358 Pink	10
2359 Scarlet. Striped with white....	10
2331 Snowball. Pure white	10
2330 Violet, with White Eye.....	10
2376 Choicest Mixed	10

Large Flowering Varieties

2332 Alba. Pure white	10
2333 Coccinea. Scarlet	10
2334 Pink	10
2335 Stellata Splendens. Scarlet, with white eye	10
2336 Striped. Scarlet, striped white....	10
2371 Choicest Mixed	10

PHLOX (Various Sorts)

2360 Fine Mixed. Annual sorts.....	5
2367 Star of Quedlinburg. Mixed.....	10
2366 Hardy Perennial (Decussata). Mixed	10

PORTULACA

Brilliant dwarf annuals, blooming profusely from early Summer to Autumn. For low beds and masses of color they are very desirable.

2400. **Finest Single, Mixed.** A large variety, of the most brilliant colors. Per Pkt. Oz., 30c\$0 05

2401. **Double Rose-Flowered, Mixed.** The most brilliant shades and choice flowers 10

PRIMULA (Primrose)

Our Prize Primula is grown by a renowned English specialist, who has received the highest awards at the leading Continental shows. The florets are unsurpassed in size and wide range of brilliant and distinctive colors.

LARGE FLOWERING FRINGED CHINESE PRIMROSES

- | | | |
|-------|---|-----------------|
| 2427. | Alba Magnifica. The finest pure white..... | Per Pkt. \$0 25 |
| 2428. | Covent Garden Red. A fine rosy red..... | 25 |
| 2429. | Rosy Morn. Beautiful delicate pink | 40 |
| 2430. | Holborn Blue. Unique shade | 40 |
| 2431. | Stellata. A very pretty form with large heads of star-shaped flowers of various colors; a splendid type for decorative purposes | 40 |
| 2421. | Double-flowering. Finest varieties, mixed | 40 |
| 2420. | Fern-leaved, Finest Mixed..... | 25 |
| 2432. | Johnson's Choicest Prize Mixed. This mixture contains nothing but the finest fringed free-flowering sorts, and cannot fail to give entire satisfaction | 25 |

PRIMULA OBCONICA GRANDIFLORA (Everblooming Primroses)

Abundant and continuous bloomers of the easiest culture for greenhouse, conservatory or light window flowering.

- | | | |
|-------|---|-----------------|
| 2422. | Grandiflora, Alba. Pure white.. | Per Pkt. \$0 20 |
| 2433. | “ Kermesina. Rich crimson | 25 |
| 2435. | “ Rosea. Pink..... | 25 |
| 2437. | “ Mixed. All colors.. | 10 |
| 2438. | Kewens is fragrant yellow flowers on long stems | 25 |
| 2423. | Forbesi (Baby Primrose). Rosy-lilac flowers. The freest flowering primroses and a continuous bloomer | 25 |
| 2436. | Floribunda. Similar to “Obconica,” but the flowers are a beautiful primrose yellow | 25 |
| 2425. | Japonica (Japanese Primrose).. | 10 |
| 2426. | Vulgaris. Yellow English Primrose | 10 |

PYRETHRUM (Feverfew)

- | | | |
|-------|--|----|
| 2440. | P. Parthenifolium Aureum (Golden Feather). A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial 1½ ft. Oz., 50c | 5 |
| 2441. | P. Roseum (Persian Insect Powder Plant). Handsome aster-like flowers, with pink rays and deep yellow centers and beautiful fern-like foliage | 10 |



SALVIA, OR SCARLET SAGE—CLARA BEDMAN, OR BONFIRE. Per pkt., 10c.

RICINUS (Castor Oil Bean)

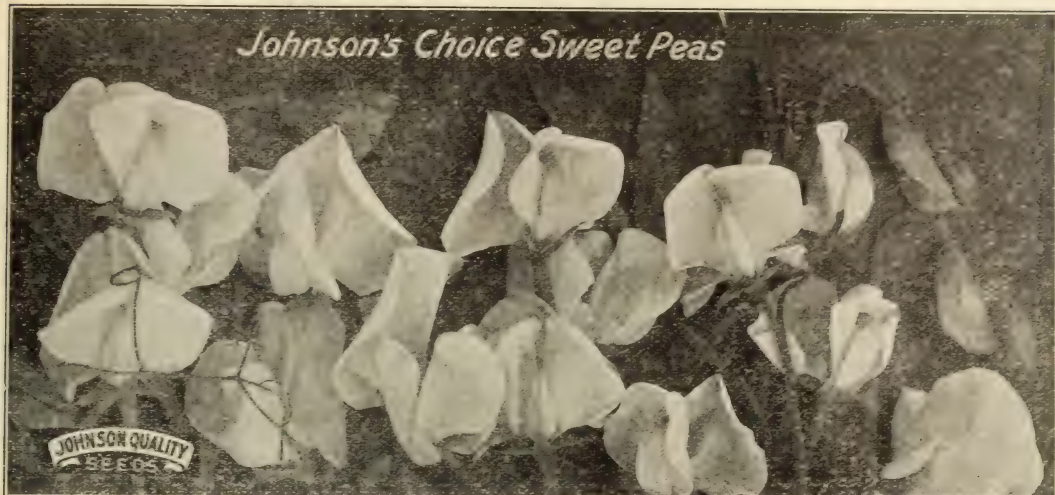
Large, luxuriant, rapid-growing foliage annuals, with large, handsome metallic leaves. Used for sub-tropical effects on the lawn, or for the taller centers of foliage beds; 6 to 10 feet.

- | | | | |
|-------|---|-----------------|----------------|
| 2466. | Borboniensis. Green foliage | Per Pkt. \$0 05 | Per Oz. \$0 10 |
| 2464. | Cambodgensis. Dark bronzy maroon | 5 | 10 |
| 2460. | Gibsoni. Dark red..... | 5 | 10 |
| 2461. | Philippiensis. Dark foliage | 5 | 10 |
| 2462. | Sanguineus. Blood-red stalks | 5 | 10 |
| 2465. | Zanzibariensis. Enormous size | 5 | 10 |
| 2463. | Mixed. All sorts | 5 | 10 |

SALVIA, OR SCARLET SAGE

Gorgeous effects can be produced by massing on the lawn or in the garden, or planted in rows along a sunny drive. A perennial, but blooms the first season from seed.

- | | | |
|-------|--|-----------------|
| 2523. | Clara Bedman, or Bonfire. Very compact, with long, erect spikes of brilliant scarlet flowers. The finest Salvia ever introduced, and by far the best for bedding and massing on the lawn..... | Per Pkt. \$0 10 |
| 2525. | Zurich. Of dwarf, compact growth, forming oval bushes 15 to 18 inches high, thickly studded with fine spikes of scarlet flowers. For bedding it is brilliantly effective, either planted alone or as a front row for the taller Salvias | 15 |
| 2520. | Salvia Splendens. (Scarlet Sage) | 10 |
| 2521. | Patens. Blue sage..... | 10 |
| 2522. | Silver Spot. Dark green leaves with cream colored spots..... | 10 |
| | SALPIGLOSSIS (Velvet Flower) | |
| 2501. | Salpiglossis Grandiflora. The large flowering Salpiglossis is one of the most beautiful flowering annuals. In rich coloring they vie with orchids..... | 5 |

Johnson's Choice Sweet Peas**JOHNSON'S RAINBOW SWEET PEAS**

PER PACKET 5c., EXCEPT WHERE NOTED

	Oz.	¼lb.	Lb.
2677 Aurora. Orange salmon on white ground	\$0 1)	\$) 30	\$1 00
2755 Blanche Ferry Extra early. Pink and white	10	30	1 00
2746 Coccinea. Bright cerise	10	30	1 00
2738 Countess of Radnor. Standard lavender, wings mauve	10	30	1 00
2672 Countess of Lathom. The best cream-pink, self-colored	10	30	1 00
2674 Countess Spencer. Bright pink. Packet, 10c.....	20	65	2 40
2756 Dainty. Pure white with pink edge	10	30	1 00
2769 Dorothy Eckford. Pure white, large flower.....	10	30	1 00
2796 Duke of Westminster. The best clear purple, large flower.....	10	30	1 00
2722 Emily Henderson. Pure white, large size, good for forcing.....	10	30	1 00
2690 Earliest of All. Pink and white, splendid for forcing.....	10	30	1 00
2673 Flora Norton. The most pronounced bright blue.....	20	65	2 25
2683 Gladys Unwin. Clear bright pink, large size.....	10	30	1 00
2671 Helen Lewis. New Giant, orange pink.....	25	65	2 25
2795 Helen Pierce. Gloxinia-flowered, bright blue, mottled on pure white..	10	30	1 00
2678 Hon. Mrs. E. Kenyon. Deep primrose.....	10	30	1 00
2754 Janet Scott. Bright pink, large size.....	10	30	1 00
2687 John Ingman. Rose-carmine, fluted flowers, very large size.....	20	65	2 25
2750 Katherine Tracy. Soft brilliant pink.....	10	30	1 00
2791 King Edward VII. Bright crimson, immense flower.....	10	30	1 00
2719 Lady Grisel Hamilton. Pale lavender; fine.....	10	30	1 00
2720 Lord Rosebery. Bright magenta-rose.....	10	30	1 00
2790 Miss Willmott. Deep orange pink; large size.....	10	30	1 00
2778 Mrs. Walter Wright. Deep mauve, with bluish wing.....	10	30	1 00
2774 Mrs. George Higginson, Jr. Clear azure blue.....	10	30	1 00
2711 Mont Blanc. Large, pure white, excellent for forcing.....	10	30	1 00
2703 Navy Blue. Deep indigo blue; beautiful.....	10	30	1 00
2675 Nora Unwin. Magnificent giant white.....	15	60	2 00
2721 Othello. Deep maroon; large size.....	10	30	1 00
2728 Phyllis Unwin. Light magenta-rose and carmine.....	10	30	1 00
2733 Prince of Wales. Rose-crimson; large size.....	10	30	1 00
2747 Queen Alexandra. Bright scarlet red; self-colored.....	10	30	1 00
2735 Queen of Spain. Soft buff pink; fine.....	10	30	1 00
2732 Romola Piazzani. Rose-purple, changing to lilac and blue.....	10	30	1 00
2752 Royal Rose. Deep rosy pink.....	10	30	1 00
2688 Salopian. Brilliant scarlet; fine.....	10	30	1 00
2768 Shahzada. Dark maroon, shaded purple.....	10	30	1 00
2710 Shasta. Pure white, of vigorous habit; fine.....	10	30	1 00
2767 Stella Morse. Primrose; flushed pink.....	10	30	1 00
2726 Eckford's Large Flowering Mixed.....	10	25	85
2725 Orchid-flowered Mixed. Spencer types, exquisite colors, splendid. Pkt., 10c.....	15	65	2 00

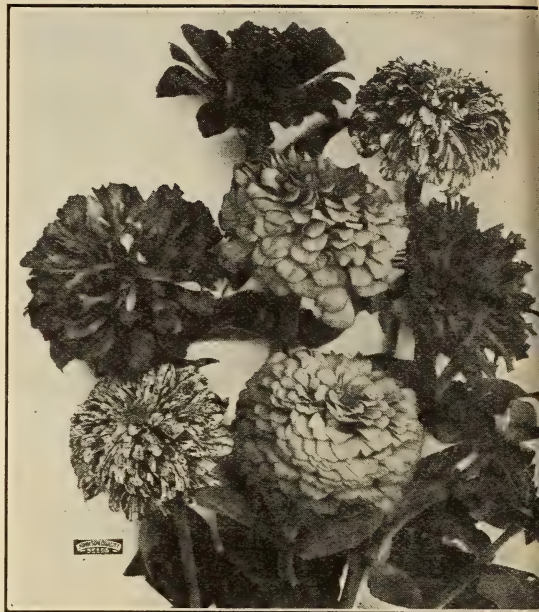
2700. JOHNSON'S RAINBOW SWEET PEAS—In Mixture

Contains many beautiful orchid-flowered sorts and Spencer Seedlings. Much care is exercised in preparing this popular mixture, and only standard sorts are used, that possess large size, perfect form and good substance. We highly recommend it to the most critical Sweet Pea enthusiast. Per pkt., 5c; per oz., 10c; per ¼ lb., 30c; per lb., \$1.00.

SMILAX		Per Pkt.
2120.	New crop, oz., 20c.....	\$0 05
STOCKS, DWARF, Large Flowering, Ten Weeks		
2660.	Blood Red	10
2668.	Bright Pink	10
2663.	Light Blue	10
2662.	Pure White	10
2665.	Mixed	10
2669.	Princess Alice (Cut-and-Come Again), white	10
2659.	Cut-and-Come-Again, Mixed...	10
2667.	Wallflower-leaved. Ten Weeks, Snowflake. A fine white.....	10
2664.	Beauty of Nice. Delicate flesh-pink	10
2656.	Empress Elizabeth. Brilliant carmine rose	10
2657.	Queen Alexandra. Rosy-lilac, fine for cutting	10
2658.	Brompton. Mixed	10
SUNFLOWER (Helianthus)		
1510.	Stella (Improved Miniature). Large, single, golden yellow flowers, with black disc, 4 ft.	5
1511.	Chrysanthemum Flowered. Rich, double golden yellow flowers, 7 feet	5
SWEET WILLIAM		
2739.	Single White	5
2744.	" Crimson	5
2745.	" Scarlet	5
2748.	" Velvety Black Maroon.	5
2749.	" Red, with white eye....	5
2751.	" Violet, with white eye.	5
2741.	" Mixed. All colors	5
2742.	" Holborn Glory. Auricula flowered. A superb strain..	10
2740.	Double Mixed. All colors.....	10
2743.	" Giant Mixed. Very large	10
SCABIOSA (Mourning Bride)		
2502.	Free blooming annuals, height 1½ to 2 feet, Large Flowering, Mixed	5
THUNBERGIA (Black Eyed Susan)		
2761.	Aurantiacae, orange, with dark eye	5
2760.	Alba Oculata, white, with dark eye	5
2764.	Alata, buff, with dark eye....	5
2763.	Choice Mixed	5
TORENIA		
2801.	Fournieri (White Wings), white	10
2802.	Bailloni, yellow	10
VIOLA (Tufted Pansies)		
2862.	Cornuta Papilio. (Butterfly Violet.) Blue	10
2863.	Cornuta Lutea Splendens. Clear yellow	10
2864.	Cornuta Blue Perfection. Deep blue	10
2865.	Cornuta White Perfection. Fine white	10
2866.	Cornuta Hybrida Admirabilis..	10
2867.	Cornuta. Mixed. All colors...	10
2868.	Odorata. Mixed. (Sweet Violet)	10
VISCARIA		
2870.	Cardinalis. Bright red	10
2871.	Oculata. Mixed. All colors...	5
WALLFLOWER		
2902.	Single Goliath. Deep velvety brown	5
2903.	Single Extra Early Paris. Flowers the first season.....	5
2901.	Single Mixed. All colors.....	5
2900.	Double Mixed	10

Johnson's

Brilliant Mammoth Zinnias



JOHNSON'S MAMMOTH ZINNIAS.

Per Packet, 10c.; oz., 50c.

VERBENA

Florists and private gardeners pronounce our strain of Mammoth Flowering Verbenas the best on the market. The extraordinary size of the flowers, the rich brilliant colors and the distinctive markings commend this superior strain to the most critical growers.

We offer New Crop Seed in separate colors as follows:

	Per Pkt.
2810. Mammoth White	\$0 10
2812. " Pink	10
2811. " Scarlet	10
2813. " Purple	10
2815. " Mixed	10
2825. Fine Mixed	5
2828. Choice Mixed, a superb strain.	10
VINCA (Madagascar Periwinkle)	
2910. Rosea. Pink	5
2911. Alba. White, with crimson eye	5
2912. Alba Pura. Pure white	5
2913. Mixed	5
ZINNIA ELEGANS, DOUBLE	
2941. Johnson's Brilliant Mammoth. Very large, perfectly double flowers, of many striking colors. Bushy habit. Pkt., 10c.; oz., 50c.	
Large Flowering, Double Dwarf.	
2930. Scarlet	5
2931. Orange	5
2932. White	5
2933. Canary	5
2940. Tall, mixed	5
2939. Dwarf, mixed	5
2938. Curled and Crested, dwarf, mixed	5
2943. Mammoth Queen Victoria, white	10
2942. Striped or Zebra	5



NEW DAHLIA, DOROTHY PEACOCK, SHOWING PLANT AND FLOWERS.
Note the size and perfection of blooms and length of stem.

CACTUS DAHLIAS

Burbank. Bright dazzling cardinal.
Comet. Soft pink, striped crimson.
Floradora. Pure garnet, rich and effective.
General Buller. Maroon, tipped white.
Kriemhilde. Exquisite pink and white.
Mrs. E. Mawley. Pure soft yellow.
Mrs. H. J. Jones. Scarlet, tipped white.
Parsival. The earliest and freest flowering of the white cactus varieties.
Perlehilde. White, suffused soft pink.
Prince of Yellows. A rich golden yellow, and profuse bloomer.
Rosy Morn. Deep rosy pink, beautiful form.
Winsome. Large, pure white.

DECORATIVE DAHLIAS

Black Prince. Large; rich velvety maroon.
Blue Oban. Very large, lavender blue.
C. W. Bruton. Immense clear canary yellow.
Claribel. Brilliant crimson flamed purple.
Flora. Large pure white.
Lyndhurst. Early, large, vermilion scarlet.
Mme. Van Den Dael. Light pink, shaded deep pink; fine.
Mrs. Chas. Turner. Immense size, clear canary yellow.
Sylvia. Large, white shading to pink; early.
Wm. Agnew. Rich, dazzling red; very fine.

Any of the above Dahlias 15c. each; \$1.50 per dozen, postpaid.

MIXED DAHLIAS

We have a large surplus of undivided field-grown roots in unnamed varieties from a splendid collection at 10c. each; \$1.00 per dozen; \$5.00 per 100; \$40.00 per 1000.

EXQUISITE GIANT DAHLIAS

Dorothy Peacock (Show). The best clear pink show dahlia ever introduced; an early bloomer, of vigorous habit, free of disease under the most adverse conditions; excellent for cutting, and blooms profusely from July until killed by frost in October. Price, 35 cents each.

Clara Norcross (Show). A new distinctive lemon-yellow variety of exceptional merit; the flowers are borne on long, slender stems, and remain in excellent condition a long time after being cut. 20 cents each.

Big Chief (New Peony-flowered). Immense size; 6 to 7 inches across. Brilliant crimson, margined maroon. 15 cents each.

Ethel Schmidt (Fancy). Pure white, suffused pink, spotted and penciled crimson. 15 cents each.

Jack Rose (Decorative). Very large, bright glowing crimson; an early, continuous and profuse bloomer; always perfect. 15 cents each.

Mrs. J. Gardner Cassatt (Decorative). Immense size, color clear rose pink. A strong, vigorous grower, early and a continuous bloomer. 20 cents each.

Sensation (New Peony-flowered). Vivid vermilion scarlet; heavily tipped white. Entirely new and distinct. 20 cents each.

Souvenir de Gustave Doazon (Decorative). Mammoth fiery scarlet blooms, attaining a diameter of 6 to 9 inches; a free bloomer and vigorous grower. 20 cents each.

The set of the above 8 Giant Dahlias for \$1.50. Postage paid.

SHOW AND FANCY DAHLIAS

A. D. Livoni. Beautiful soft pink, quilled.

Arabella. Primrose, shaded and edged rose. A splendid variety of beautiful form; an early, free and continuous bloomer.

Aurora. Yellow, tipped red.

Crimson Giant. Large, bright crimson, shading to maroon.

Eloise. Maroon, tipped white.

John Walker. Large, pure white, fine.

Maid of Kent. Rich crimson, tipped white.

Mrs. Dexter. Bright golden salmon, fine.

Mrs. Langtry. Yellow, tipped rich crimson.

Queen Victoria. Golden yellow, quilled.

Red Hussar. Rich glowing red; very profuse.

White Swan. Fine pure white.

NEW CENTURY DAHLIAS

A new race of Giant Singles, as large as saucers, exquisitely colored.

Twentieth Century. White, heavily blotched bright crimson. Also under following colors: white, shell pink, rose pink, yellow, red, garnet and variegated.

JOHNSON'S SUPERB DAHLIAS

CACTUS DAHLIAS

The most beautiful of all newer introductions; they will give you the greatest satisfaction.

Amos Perry. Brightest scarlet; very free flowering	Each \$0 20
Blitz. Rich crimson; perfectly full centers; blooms until killed by frost	20
Cockatoo. Very distinct, canary yellow, shaded fawn, tipped white. Color varies, but always large, beautiful and full	20
Country Girl. Large yellow, shading to salmon pink; edged amber. (See illustration)	20
Else. White, suffused and edged rose; distinct	20
Marjorie Castleton. Pure pink, tinted lighter toward center. The best pink cactus	20
Frute. The loveliest pink of them all; soft primrose shading to clear pink	20
Juliet. Very large; rose pink with lighter center; beautiful twisted petals	20
Liberty. (See illustration). Distinct in form and color; crimson striped maroon; rich and striking	25
Master Carl. (See illustration.) Soft creamy yellow; delicately beautiful and chaste	20
Mrs. Geo. Stevenson. Very large; the best pure canary yellow cactus	20
Mrs. H. Brousson. Large; bright, bronzy orange	15
Mrs. J. P. Mace. Immense size; soft shell pink	20
Rev. D. R. Williamson. Splendid rich garnet; always perfect	20
Titania. Rich velvety maroon, shading to black	\$0 20
White Kriemhilde. A creamy white sport of Kriemhilde	20
White Lady. (See illustration). Snow white, splendid form	25

DECORATIVE DAHLIAS

These are all giant flowers, free bloomers and the very finest in existence.

Golden Wedding. Immense size; deep golden yellow; a strong, vigorous grower. Splendid exhibition flower	Each \$0 20
Grand Duke Alexis. Very large; white, tinted lavender; quilled petals	20
Jeanne Channet. A beautiful giant dahlia. Cerise edged darker	20
Minnie McCullough. Old gold, tipped rich amber red; a beautiful combination of Autumn tint; very striking	15
Nellie Stewart. Very large; soft rose pink	15



COUNTRY GIRL

LIBERTY

WHITE LADY

MISS D. OLIVER

GENERAL BULLER

MASTER CARL

Princess Victoria Louise. One of the finest for all purposes; deep cerise color	Each \$0 20
Prof. Mansfield. Largest size; yellow banded red; tipped white. Very distinct and striking	20
Yellow Colosse. Very profuse; large lemon yellow	20

SHOW DAHLIAS

A few of the most distinct and beautiful of the newer sorts.

Chas. Lanier. Golden yellow, suffused amber; always large, with full center	Each \$0 25
Ethel Maule. Large, round, snow white, with lavender tinted center	25
Imperial. Large purple ball on long stems; very fine	20
Norma. Yellow shaded, edged dark red	20
Princess Victoria. Finest yellow show dahlia, without tint or blemish. Extremely profuse bloomer, with long stems	20

SUMMER FLOWERING BULBS

NOTE.—Bulbs quoted by the dozen will be sent by mail postpaid only where so specified



LARGE FLOWERING CANNAS

CALADIUM ESCULENTUM (ELEPHANT'S EARS)

	PER DOZ.	PER 100
Large size.....	\$2 00	\$11 00
Medium size.....	1 50	9 00
Small size.....	75	3 50



CYCAS REVOLUTA—Sago Palm (READY IN MARCH)

10 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$9.00; 300 lbs.(case), \$23.00. Stems range from ½ lb. to 10 lbs.

TUBEROSES—Excelsior Double Pearl

	PER DOZ.	PER 100	PER 1000
Selected No. 1 Bulbs.....	\$0 20	\$1 25	\$10 00
Selected No. 2 Bulbs.....	15	75	5 50

If desired by mail, add 10c. to dozen rate.

CANNAS—Large Flowering

If desired by mail, add 10c. to doz. price for postage.

	PER DOZ.	PER 100
Alphonse Bouvier. Crimson, 6 ft..	\$0 60	\$3 50
Alsace Sulphur white, 4½ ft....	60	3 50
Beaute Poitevine. Brilliant, crimson scarlet, 3 ft.....	60	3 50
Black Prince. Very dark velvety maroon, 3½ ft.....	60	3 50
Buttercup. Finest yellow, 3 ft....	60	3 50
Chas. Henderson. Bright crimson, 4 ft.....	60	3 50
Crimson Bedder. Large spikes of glowing crimson; dark metallic leaves, 4 ft.....	75	4 00
Duke of Marlborough. Deep crimson, one of the finest of its color, large flowering, 4 ft....	80	5 00
Egandale. Currant-red, bronze leaved, 4 ft.....	60	3 75
Florence Vaughan. Yellow, spotted red, 4 ft.....	60	3 50
Jean Tissot. Intense brilliant vermilion, with orange shadings, 5 ft.....	75	4 25
Luray. Deep rose pink, 4½ ft....	75	4 25
Mme. Crozy. Gilt-edged, scarlet, 4 ft.....	60	3 50
Mlle. Berat. Bright pink, 4 ft....	60	3 50
President Meyer. Immense trusses of rich cherry carmine; bronzy foliage, 4 ft.....	80	5 00
Queen Charlotte. Crimson scarlet, broad canary yellow border, 3 ft.....	60	3 50
Richard Wallace. An ideal yellow Canna, with exceptionally large flowers, 4½ ft.....	80	5 00
Souv. de Antoine Crozy. Intense scarlet with golden edge, 3½ ft.....	75	4 00

CANNAS—Orchid Flowered

	PER DOZ.	PER 100
Allemania. Salmon scarlet, with yellow border, 6 ft.....	\$0 70	3 75
Austria. Canary yellow, with yellow dots in the center, 6 ft....	70	3 75
Italia. Bright orange scarlet, with yellow border, 6 ft.....	70	3 75
Pennsylvania. Vermilion scarlet, overlaid with orange, 6 ft....	70	4 25
King Humbert. Orange scarlet, a grand Canna, with immense flowers, 5 ft.....	85	5 25
Louisiana. Immense vivid scarlet flowers, 6 ft.....	75	4 25

Any of the above Cannas, 7c. each, postpaid.

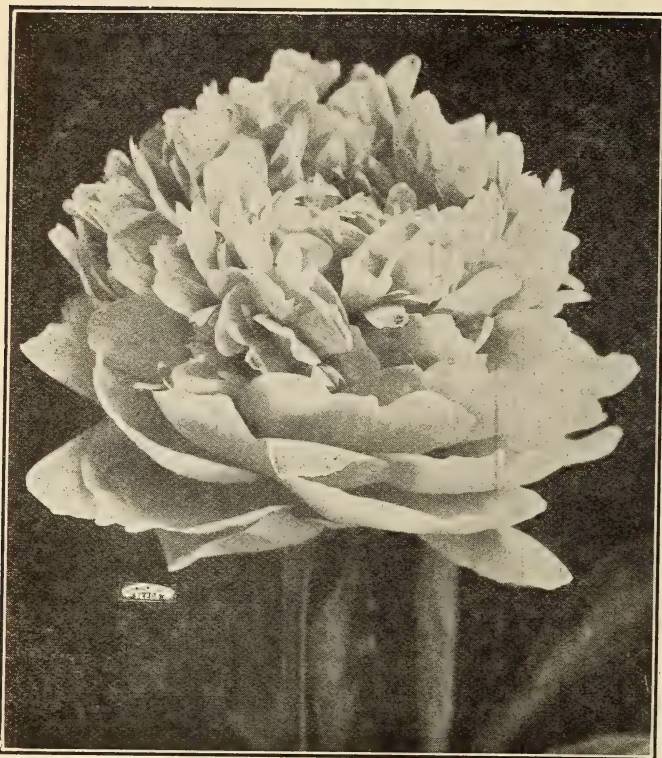
GLADIOLUS—Strictly First Size Bulbs

	PER DOZ.	PER 100	PER 1000
Scarlet and Crimson.....	\$0 25	\$1 50	\$14 00
White and Light, shades mixed.....	30	1 90	16 00
Yellow and Orange.....	50	4 00	35 00
Striped and Variegated....	30	2 50	22 00
Pink and Rose, shades mix.	25	1 75	15 00
New Giant (Childsii), mix.	30	2 00	19 00
Lemoine's Hybrids, mixed.	25	1 75	15 00
Groff's Hybrids, mixed....	25	1 75	15 00
Prize Winner Mixture, No. 1	25	1 50	15 00
Prize Winner Mixture, No. 2	20	1 25	10 00

6 BULBS AT DOZEN RATE; 25 AT 100 RATE; 250 AT 1000 RATE, OF ANY ONE VARIETY

JOHNSON'S SUPERB PÆONIES

LARGE CLUMPS WITH 3 TO 7 EYES



	DOUBLE SWEET SCENTED PÆONIES.	
	EACH POSTPAID	PER DOZ.
Agnes Mary Kelway. Deep rose guard petals, with creamy white center...	\$0 30	\$2 50
Andre Laurias. Large, full violaceous red anemone shaped flowers, deliciously fragrant, late.		2 00
Canary. Fine large, creamy white, tinted yellow; early	30	2 50
Charlemagne. Enormous blooms; soft rose; center tinted lilac; beautiful	30	2 50
Duc de Cazes. Deep pink, with salmon center and fringed petals; fragrant	30	2 50
Duchess de Nemours. Magnificent large white flowers, delightfully fragrant; excellent for cutting	30	2 50
Duke of Wellington. Large sulphur white blooms of perfect form; very fragrant	40	3 50
Festiva Alba. Pure white; popular with florists for cutting	30	2 50
Festiva Maxima. White center petals flaked red; magnificent flower; the most popular of pæonies	35	2 75
Felix Crousse. Brilliant red massive blooms; one of the best obtainable....	60	5 00

Francois Ortegat. Dark purplish crimson; fragrant blooms, with golden anthers; fine. Each, c50.; doz., \$5.00

Lady Bramwell. Delicate silvery rose; large fragrant blooms. Each, 30c.; doz., \$2.50.

Madame Geissler. Enormous, deliciously fragrant, silvery pink flowers, with white edges; one of the best in cultivation. Each, 60c.; doz., \$5.50.

Rubra Triumphans. Rich glowing crimson; large full blooms. Each, 30c.; doz., \$2.50.

Double Chinese Pæonies

	EACH	PER DOZ.	PER 100
Pink Shades...	\$0 25	\$1 50	\$8 00
Red Shades...	25	1 50	8 00
White	25	1 25	7 50
Mixed. All colors	25	1 15	6 00

PÆONY OFFICINALIS

Early Flowering

The "old-fashioned Pæony," flowering about two weeks earlier than the *Chinensis* variety, with large, fragrant double flowers, the "Rubra" or crimson being the most popular of this species for cutting.

	EACH	PER DOZ.	PER 100
Rubra. Brilliant crimson,	\$0 25	\$2 00	\$12 00

NOTE.—PÆONIES sold at the dozen rate will be sent by mail or express at purchaser's expense. Single clumps will be prepaid.

Japanese and Tiger Lilies

LILIAM AURATUM

(The Golden-Banded Lily of Japan)

	EACH	PER DOZ.	PER 100
8 to 9 inches.....	\$0 15	\$1 25	\$7 00
9 to 11 inches.....	25	1 50	11 00
Lilium Speciosum Roseum or Rubrum.			
8 to 9 inches.....	15	1 50	8 00
9 to 11 inches.....	25	1 75	11 00
Lilium Speciosum Album.			
8 to 9 inches.....	20	1 75	11 00
9 to 11 inches.....	25	2 50	15 00
Lilium Speciosum			
Melpomene, 8 to 9 inches	20	1 25	7 00
Magnificum, dark red, 8 to 9 inches.....	20	1 50	10 00
Lilium Tigrinum Splendens.			
Single Tiger Lily. Orange, spotted brown..	15	1 00	6 00
Lilium Tigrinum Flore Plena. Double Tiger Lily,	15	1 25	7 50
If desired by mail, add 25c. additional to the dozen rate on Japanese Lilies.			

JOHNSON'S HIGH-GRADE LILY OF THE VALLEY PIPS

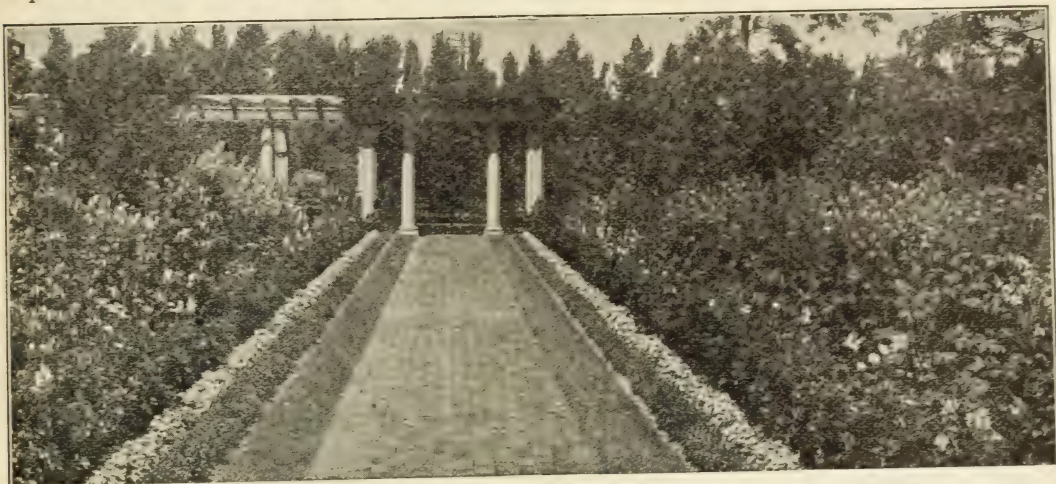
We import the finest stocks procurable of Berlin and Hamburg Pips.

PER DOZ.	PER 100	PER 1000	PER CASE 2500 PIPS
\$0 25	\$1 50	\$13 00	\$30 00
CLUMPS		Cold Storage Pips	
PER DOZ.	PER 100	PER 100	PER 1000
\$2 00	\$15 00	\$2 75	\$20 00

HARDY PERENNIAL PLANTS

Old-fashioned Hardy
Garden Flowers

Hardy Perennials are fast attaining popularity, and possess more desirable qualities than any class of plants for outdoor use. The flowers cover the widest range of charming forms and gorgeous colorings. Once planted they almost care for themselves, and every Spring increase in size and vigor. We have in stock nearly every Hardy Plant of merit and will gladly quote prices on plants not listed. Extra plants will be added to every order to help pay express charge.



HARDY HERBACEOUS PERENNIALS

Choice Plants, 15c each; \$1.50 per dozen, \$10.00 per 100.

A few Hardy Perennials of special merit:

	Height	
Chrysanthemum, Hardy.....	1½ to 3 feet,	white, pink, yellow, bronze, crimson, etc.
Columbine, 6 varieties	2 feet,	white, pink, yellow and variegated.
Coreopsis	3 feet,	large yellow Daisies, good cutflower.
Cornflower	2 feet,	the blue variety is the best.
Foxglove	4 feet,	long spikes of white and pink flowers.
Forget-me-not, Hardy.....	½ foot,	valuable for damp places.
Gaillardia	3 feet,	red, with orange border, good cutflower.
Grasses, Fancy	1½ to 10 feet,	green and variegated foliage, plumes.
Hollyhock	5 feet,	various colors, single and double.
Iris, German, 25 varieties.....	2½ feet,	various colors.
Iris, Japanese	3 feet,	various mixed colors.
Iris, Orientale	2½ feet,	purplish blue, good cutflower.
Larkspur, Formosum	3 feet,	rich deep blue.
“ Hybrids	4 to 5 feet,	tints and shades of blue.
“ Chinese	1½ feet,	free flowering, gentian blue.
Michaelmas Daisies	2 to 6 feet,	blue, pink, white and red.
Phlox, Hardy, 50 varieties.....	1 to 3 feet,	all colors, best perennial known.
Pinks, Hardy Garden	1 foot,	white, pink, etc.
Poppies, Orientale	3 feet,	gorgeous scarlet flowers.
Rudbeckie, Golden Glow	5 feet,	double yellow, well known.
Stockesia, Cornflower Aster	2 feet,	white or blue, extra good.
Sunflower, Miss Mellish	5 feet,	the best yellow cutflower for early Fall.
Sweet William	1½ feet,	white, pink, etc.

Hardy Perennial Seeds. Most popular varieties. Many varieties can easily be raised from seeds, and if started early, a large percentage will bloom the first season; it is very interesting and fascinating to raise your little favorites from the very beginning. We can offer you a good collection of seeds of most popular varieties. 10c per pkt, \$1.00 per doz. Novelties, 25c per pkt.

JOHNSON'S FAMOUS WILD FLOWER GARDEN

Per packet, 5c; ounce, 10c; ¼ pound, 25c

2960. Our Wild Flower Mixture consists of many varieties of beautiful, easy-growing flowers, producing a constant and varied bloom the whole season, for sowing in shrubbery, under trees and in beds on which no care will be bestowed, or even for sowing in exposed situations, where wildness is preferred to order and precision. The mixture comprises mignonette, candy-tuft, larkspurs, marigolds, poppies, foxgloves and many other garden favorites, which will flower successively and yield an abundance of bloom. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

PLANT CALIFORNIA PRIVET

For an Ideal Hedge

Your Unsightly Lawn can be made a Marvel of Beauty



HEDGE OF CALIFORNIA PRIVET

For beautifying your home surroundings, enhancing the value of your property for large grounds, parks, drives, etc., **California Privet** is unsurpassed. It is a rapid grower, remarkably vigorous, hardy, adapted to every situation, particularly to the seashore where it luxuriates in the salt air; is immune from insects, easily transplanted and retains a glossy green foliage until frost.

If a border is desired keep the hedge low; if to screen an unsightly place allow it to grow 5 or 6 feet. It is admirably adapted to replace a fence or train into curved arches or any geometrical designs for lawn decoration. Can be pruned at any time and the oftener the better to produce stocky plants. The plants we offer are of the highest quality, stocky, well-branched and cut back to the ground one year after planting. Plant 6 inches apart for a single row or if a more compact hedge is desired plant in double rows 6 inches apart, diagonally opposite in the rows.

	Per 100	Per 1000
Prices 12 to 18 inches	\$2.50	\$20.00
" 18 " 24 "	3.25	28.00
" 24 " 36 "	3.75	30.00

HARDY CLIMBING PLANTS

The following plants are not mailable unless so designated.

	Each	Per doz.		Each	Per doz
Ampelopsis Veitchi. Boston or Japan			Clematis Jackmani. Rich purple . . .	\$0 40	\$4 00
Ivy	\$0 25	\$2 50	" Anderson Henryi. Creamy		
Ampelopsis Quinquefolia (Virginia			white	40	4 00
Creepers)	25	2 50	Hop Vines. (Humulus). Golden-		
Aristolochia Siphon (Dutchman's Pipe			leaved. (By mail 20c.)	15	3 50
Vine)	50	5 00	Honeysuckle. Chinese Evergreen		
Celastrus Scandens (Bitter Sweet).			(Woodbine). Fragrant red, yellow		
A rapid climber; yellow flowers . . .	25	2 50	low and white flowers	25	2 50
Cinnamon Vine. Fragrant white			Honeysuckle Halliana. White; fragrant		
flowers. (Dry Roots) (By mail),	10	1 00	ant	25	2 50
Bignonia (Trumpet Vine).			Madeira, or Mexican Vine. (Not		
" Grandiflora. Large orange			hardy). Dry roots. By mail . . .	10	75
red flowers	50	5 00	Moonflower (Ipomoea Noctiflora).		
Bignonia Radicans. Dark red; orange			Not hardy. Large white flowers;		
throat	25	2 50	rapid climber. (By mail, 15c each)	10	1 00
Clematis Paniculata (Japanese Virgin's			Wistaria Sinensis (Chinese). Violet		
Bower). Sweet-scented, star-shaped			blue	50	5 00
flowers	25	2 50	Wistaria Sinensis Alba. White . . .	50	5 00

RANERE RED RASPBERRY

THE WONDERFUL DOUBLE CROPPER



RASPBERRY

RANERE. Is the earliest of all red raspberries, of large size and of surpassing quality; rich, sugary, with full raspberry flavor; they are exceedingly meaty; firm texture, and keep in good condition longer after being gathered than any other raspberry; it has a remarkable constitution, withstanding the severest Winter, as well as severest drought; never suffers from sunburn; can be shipped a long distance without injury to the fruit; if planted early will yield ripe fruit in June of the same year; two acres of Ranere netted the grower \$400 in 1912; another heavy crop in September and October from same plot at good prices, and the last picking being made on November 2d. Per dozen, \$1.25, postpaid; per dozen, \$1.00, not prepaid; per 100, \$6.00. Special prices in quantity.

RASPBERRIES

The following are each 75c. per dozen, postpaid; by express, 60c. per dozen, not prepaid; \$3.50 per 100.

COLUMBIAN. Dark red; a most vigorous grower, withstanding extremes of drought and cold; fruit large, of a rich, sprightly flavor; adheres firmly to the stem and will dry on the bush of not picked; the best for canning or evaporating; enormously productive and a good shipper.

CUTHBERT. A remarkably strong, hardy variety; stands the northern Winters and Southern Summers equal to any. Berries very large, measuring three inches around; conical; rich crimson; very handsome, and so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious.

CUMBERLAND. Black Cap. The largest raspberry known; the canes are extremely hardy, withstanding a temperature sixteen degrees below zero without injury; wonderfully productive; firm; a good shipper and free from disease.

GREGG. Considered the best late black cap; the berries are large, firm, meaty, fine flavored and a profitable market sort; very productive and a vigorous grower.

GOOSEBERRIES

Postpaid, each 25c.; by express, \$2.00 per dozen, not prepaid; \$12.00 per 100.

INDUSTRY. An English sort. Fruit dark red, large and of good quality. Season early.

COLUMBUS. A new yellow variety; very prolific; free from mildew; fruit larger than Industry.

DOWNING. Bush vigorous and very productive. Fruit medium to large; skin whitish green; flesh soft, juicy. Excellent for family use and very profitable for market.

HOUGHTON. Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good.

PEARL. A very productive and perfectly healthy variety, quite free from mildew. A robust, vigorous grower, with berries larger than Downing, and of excellent quality. 15c. each.

RED JACKET. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean, healthy foliage.

GRAPE VINES

One-year-old, 25c. each, postpaid; by express, not prepaid, 20c. each, \$2.00 per dozen; 2-year-old, 25c. each, \$2.50 per dozen.

BRIGHTON. Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

CATAWBA. An old popular variety. Bunch medium shouldered; berry large, reddish-purple, juicy, sweet, rich, aromatic and excellent.

CONCORD. Black. Bunch large; fruit large, sweet and delicious; hardy, healthy and productive.

DELAWARE. Red. Bunch small, compact; skin thin; flesh juicy, sweet, spicy and delicious.

MOORE'S EARLY. Black. Fruit large; skin thin; flesh sweet, hardy, productive and a valuable early market variety.

NIAGARA. The favorite white grape; very prolific; handsome bunches; good shipper.

WORDEN. Black. Bunch large; thin skin; excellent quality; earlier and larger than the Concord.

WYOMING. Red. Earlier than the Delaware and nearly double in size; flesh tender, juicy and sweet, with a strong native aroma; very productive.

BLACKBERRIES

The following varieties are each 75c. per dozen, postpaid; by express, 60c. per dozen, not prepaid; \$3.00 per 100.

BLOWERS. Enormously productive, having yielded 280 bushels to the acre. The fruit is large and handsome, of superb quality, ripening mid-season and continuing for two months; extremely hardy, withstanding a temperature of twenty degrees below zero.

ELDORADO. A very vigorous grower; free from mildew, rust or double blossom; enormously productive and extremely hardy; the berries are large, borne in clusters, free from core and of delicious quality.

ERIE. Large; productive; hardy; vigorous; free from rust and a valuable market sort.

WARD. A new blackberry of great merit; a very strong grower; black throughout; firm; very prolific; good for shipment and of highest quality.

CURRANTS

PRESIDENT WILDER. In size of bunch and berry, color and quality of fruit is superior to Fay's Prolific; profitable for table and market. By mail, 20c. each; postpaid, \$1.15 per dozen; by express, not prepaid, \$1.00 per dozen; \$7.00 per 100.

CHERRY. Productive; bright red; thin skinned; juicy and fine flavored. Postpaid, by mail 15c. each; \$1.00 per dozen; by express, not prepaid, 90c. per dozen, \$6.00 per 100.

FAY'S PROLIFIC. Fruit large; rich red; fine flavored, with less acid than the Cherry Currant. By mail, postpaid, 15c. each, \$1.00 per dozen; by express, not prepaid, 90c. per dozen, \$6.00 per 100.

WHITE GRAPE. Fruit large, sweet and of excellent quality; plant is vigorous and productive. By mail, postpaid, 15c. each, \$1.00 per dozen; express, not prepaid, 90c. per dozen, \$6.00 per 100.

Johnson's Delicious Strawberries



The Heritage is the latest novelty in strawberries. Originated in Burlington County, N. J., it has attracted much attention in Philadelphia markets, owing to its very large size, dark shining crimson color and fine quality. Extremely large from its first pickings, holding its size and yielding abundantly after all other varieties are gone. Price, postpaid, 75c. per dozen; by express, 50c. per dozen; \$1.25 per 100; \$7.00 per 1000. Special prices by letter for larger lots.

POPULAR STANDARD STRAWBERRIES

Price on each variety, per dozen, 40c.; per 100, \$1.25, by mail, postpaid; by express, per dozen, 25c.; per 100, 75c.; per 1000, \$6.00. In 1000 lots we will assort varieties.

AUTO. A new, perfect flowering Delaware berry, of large size and extra fine quality. Enormously prolific, of unusual vigor and carries its fruit well up from the ground. Will flourish and bear fine crop under adverse weather conditions. Flavor delicious; pointed in shape.

BUBACH, No. 5. (Midseason.) A prominent grower says: "If all varieties were culled out but ten, I would place Bubach, No. 5, at the head of the list, on account of its large, bright berries, immense yield and fine flavor." Pistillate.

"THE GANDY." (Late.) One of the best late strawberries ever introduced. The fruits are uniformly large, perfect in form and firm; color, bright crimson and glossy. Quality superb. Perfect blooming.

CARDINAL. (P.) This new Strawberry, about which there has been so much said, is very remarkable in many respects. "Of vigorous growth, a great plant producer, very productive, healthy foliage, large size of fruit, uniformity of shape, firmness and valuable for market."

COMMANDER. Commander has but one fault, and that is it cannot hold up the immense load of berries that it produces. It is extra large size, the most productive among 50 varieties, commands the largest price; solid scarlet berry, good shipper; perfect blossom.

COMMONWEALTH. A new variety of great merit. The originator says: "In the Commonwealth we have a berry that is large as the largest, as productive as any of the largest, as fine flavored, as solid and as dark colored as any. It is LATE. The plant is a good strong grower, hardy, shows no sign of rust."

GLEN MARY. (Midseason.) Perfect flowering. Vigorous, of Brandywine type. Enormously productive of large, deep red berries. Flesh very firm. Red clear to the center, sweet, rich and high-flavored; a decidedly good all-around berry.

BRANDYWINE. (Midseason is very late.) Brandywine is already world-famous. In fact, we doubt if any strawberry ever before has received such enthusiastic praise over so wide an extent of territory. The berries are of large size, glossy scarlet, very firm, solid and shapely, rich, juicy and luscious, and wonderfully productive. Perfect flowering.

SENATOR DUNLAP. A new variety apparently of great merit. Dr. T. J. Burrill, Professor of Botany and Horticulture in the University of Illinois says: "Fruit is of good size, regular and attractive in form, deep red in color, without and within, firm in substance and excellent in quality. Its season is among the earliest and it continues productive nearly a month."

STEVEN'S LATE CHAMPION. "Very large, fine flavored, bright color, good shipper, heavy yielder, good fruit stem. It has been tested on all kinds of soils and will grow successfully where any strawberry will grow. It ripens later than the Gandy."

SHARPLESS. A grand variety in every respect; berries uniformly very large; deep, clear red; moderately firm, sweet and excellent; a strong grower and very productive.

FAIRFIELD. A very early drought-resisting berry of good size and flavor, and valuable for long shipments.

ST. LOUIS. Perfect blossom; an extra early variety of exceptional merit; the berries are of good size; conical; bright glassy red color; firmly produced on long stems; of vigorous habit and very productive.

SUCCESS. Perfect bloomer; one of the best early varieties; vigorous; prolific; large size; bright crimson color and of luscious quality.

The prices quoted above are for strong layer plants.

Price list of pot-grown plants mailed on request.

Spray Your Trees—Save Your Orchards

Save your trees by spraying in the spring and autumn, and counteract the ravages of the San Jose scale. Our special spraying circular will be mailed free on request. We carry a complete line of standard **Spray Pumps, Atomizers and Spraying Nozzles.**

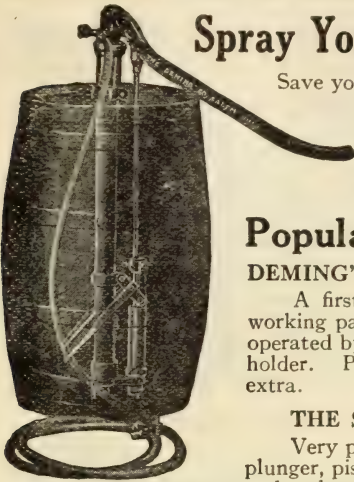
Popular Standard Spray Pumps

DEMING'S CENTURY BARREL SPRAY PUMP

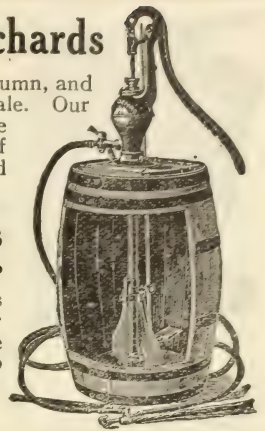
A first-class pump in every respect. Has brass working parts throughout, large air chamber, agitator operated by lever, and 12½ feet hose, nozzle and pole holder. Price, without barrel, \$13.00; barrel, \$3.00 extra.

THE SIMPLEX BARREL SPRAY PUMP

Very popular. Has large air chamber, brass lined plunger, piston-rod brass cased, and solid brass plunger and valves, agitator and 12½ feet of hose. Price, without barrel, \$10.50; with barrel, \$3.00 extra.



THE CENTURY SPRAY PUMP.
(DEMING.) Price, \$13.00.



THE SIMPLEX SPRAY PUMP.
(DEMING.)
Price, \$10.50.

Brandt Compressed Air Sprayer



operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 60 lbs. Price, \$6.50.

SUCCESS SPRAY PUMPS

Brass, large air chamber Bordeaux nozzle and 3 feet of hose. Same as the Perfect Success Pump excepting the bucket fastening device used on the Perfect Success. Price, \$4.25.

PERFECT SUCCESS BUCKET PUMP

One of the best, has brass working parts, foot rest, and excellent for spraying, white-washing, extinguishing fires and disinfecting stables or poultry houses. Price \$4.75.

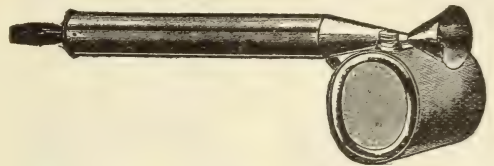
Made of brass, including the working parts, discharge and connecting tubes, plunger-rod, so that all parts (except the rubber hose) that come in contact with the fluid are of brass, making it practical for using any of the spraying mixtures in common use. Will throw a spray of any degree of fineness, or a round stream.

Used by all the large fruit growers for spraying. It



"SUCCESS BUCKET PUMP"

"Cyclone" Atomizer Sprayer



Made in tin and brass. Throws a spray as fine as mist. Is adapted for the destroying of every kind of insect. Very useful in spraying kerosene and lice killers in poultry houses; also in spraying potatoes with Paris-green water, and in gardens and vineyards. Price, tin, 50c.; brass, 75c.

MEYER BUCKET

—and—

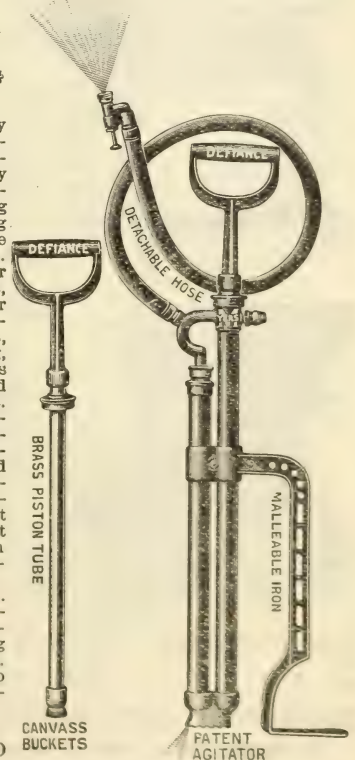
WHITEWASHING PUMP

A very handy pump specially designed for white-washing poultry houses and spraying, fumigating and insect-killing liquids. It is the best of its class. Equally good for home trees, bushes, vines, etc., and for whitewashing general farm buildings, cold-water painting, washing windows and wagons and many similar jobs. 100 pounds pressure is easily maintained when spraying. Can be used in any kind of solution, hot or cold—the only parts that come in contact with the solution are brass and cannot be corroded.

Bronze ball valves. These can be removed in one minute, without taking the pump apart. Also an extra cap for washing wagons, etc.

PRICE:

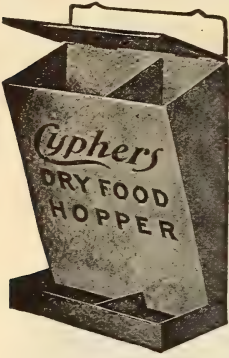
Complete - \$3.00



CANVASS BUCKETS

PATENT AGITATOR

The above list can be depended on as the best Pumps and Sprayers on the market to-day.



**CYPHERS
DRY FOOD
HOPPER**

A practical labor-saving device. Well made of heavy galvanized iron; have two compartments holding six and three quarts respectively.

Price, each, 75c.; per dozen, \$8.50.

Johnson's Dry Food Hoppers

These are labor, as well as food-saving devices. They are made of heavy galvanized iron and are constructed so that the different foods and materials cannot mix. The bail makes it possible to hang against the wall at any height. The trough is provided with a lip so that the fowls cannot pick out the food and waste it.

The Food Hoppers have two compartments (see cut), the division being so made as to give about the proper proportion for feeding a combination of Dry Mash, Meat or Bone. These are among the most satis-



factory and most largely used automatic Feeders on the market. No. 1 (8 qts.) each 75c.; dozen \$8.25

This is a practical labor and food saving device for feeding dry grain food either whole or ground. These hoppers are well made of heavy galvanized iron, have two compartments holding six quarts and three quarts.

Price, each, 75c.

**POULTRY-
MEN'S
BOILER**

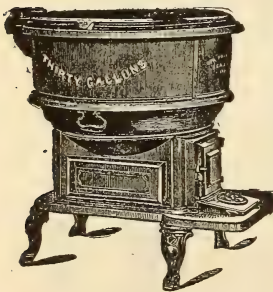
Often in preparing cooked food for poultry, articles are used that, while just the thing for poultry, have not a very pleasant odor. A boiler of this sort can be used outside or in the out-building.

PRICE:

22 gallons, for wood, - \$15.00; for coal, - \$18.00.
30 " " " - 19.00; " " - 23.00.
45 " " " - 26.00; " " - 31.00.

IMPROVED HOT WATER STOVE

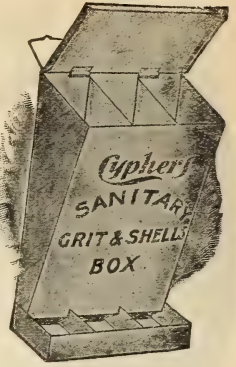
For Heating Stables, Henneries, Conservatories, etc.
(Write for Circular and Prices.)



**CYPHERS
SANITARY
SHELL AND
GRIT BOXES**

These boxes work a natural saving in grit, bone, charcoal, and poultry foods that are fed in this manner. Thorough, practical. Well made from heavy galvanized iron, with three compartments and hinged cover lid. Each space holds about 1 1/2 quarts.

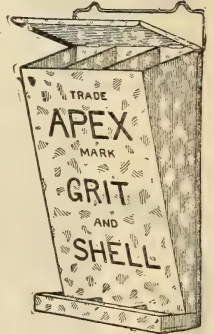
Price, each, 50c.; per dozen, \$5.00.



**Johnson's Grit and
Shell Hoppers**

Are made with three compartments (see cut) each holding about one and one-half quarts. The grit, shell and charcoal are kept entirely separated and will not be wasted by the fowls.

No. 1, each, 50c.; dozen, \$5.00



Cast Iron Poultry Trough



Indispensable in the poultry yard. No. 0 is fitted up with a cover with holes as shown, to prevent little chicks from falling in.

No. 0
No. 0—8 inches long, 50c. each; \$5.00 per dozen
No. 1—20 " " 75c. " 8.00 "
No. 2—23 " " \$1.15 each; 12.00 per doz.
No. 3—29 " " 1.50 " 15.00 "

Shallow Trays for Water or Feed



Price, - - - 30 cents each.

"Solid Comfort" Wire Hens' Nests

Furnished with a movable hood, enabling them to be placed in a partition of the house. In this way the eggs are easily secured from the hallway, and sitting hens can be securely protected from the laying hens by putting the hood down on the other side. There are no corners for dirt to collect, they are not likely to be infested with insects and the hens are always surrounded with pure air.

Price, 25c. each; \$2.50 per dozen.

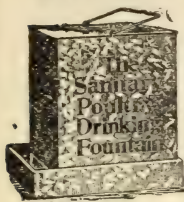


Ordinary Wire Hens' Nests

Of japanned steel wire, inexpensive and durable.
Price, each, 10c.; six for 50c.; \$1.00 per dozen.

DRINKING FOUNTAINS, ETC.

THE "SANITARY" FOUNTAIN



A square galvanized fountain, in two parts. A slight pull on the projecting part of the bottom removes it entirely, and, by using a small whisk broom, both parts are easily cleaned. Filled instantly; you don't have to wait for the water to gurgle in through a small hole. Can be hung up out of the dirt on an ordinary nail or hook.

Price { 1-gallon size, 50c.; \$5.50 per dozen.
2-gallon size, 85c.; 9.00 per dozen.

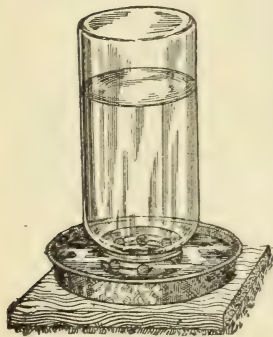
"Philadelphia" Fountains



Our "Philadelphia" Fountains are made in two parts, the pan and the cone. Easily cleaned and filled. All thoroughly galvanized.

Price { No. 1, (2 quarts), 35c. each; \$3.50 per doz.
No. 2, (4 quarts), 50c. each; \$5.00 per doz.
No. 3, (8 quarts), 75c. each; \$7.50 per doz.

Apex Jar Fount



This is the cheapest and most sanitary Chick Fountain on the market. Easily filled and easily cleaned. Particularly adapted for use in brooders. We can supply the pan with Jar Cap Attachment. These can be used in connection with any size Mason Jar. Will not rust. The use of this Fount will mean pure water and healthy chicks.

Each, 20c. (by mail, postpaid, 30c.) doz., \$2.00.

Apex Single Feeders

Are made with hinged top, provided with small rings to hang on wall, if desired. Made in two sizes:

3 hole, each, 25c.; doz., \$2.35
6 " " 40c.; " 4.00



Apex Double Feeders



Are made with the readily removable patent slip top. Chicks can feed from both sides. made in two sizes:

6 hole, each, 40c.; doz., \$4.00
10 " " 55c.; " 5.75

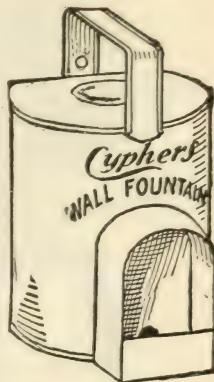
Apex Cage Cups

These Cage Cups are for use in cages, exhibition coops, etc., and can be used for either water or feed. They are made in two styles, as per cuts. The bevel front is recommended for supplying water and the straight front for feed purposes. Both models made in four sizes.

1 pint, 25c.; dozen, \$2.75; 1 quart, 35c.; dozen, \$3.75; 2 quarts, 50c.; dozen, \$5.50.

WALL FOUNTAINS

Something extra serviceable in the way of a poultry fountain. One side is flattened, so that it may be hung on the wall of the building or a post at any height. A hood over the water trough prevents the water from becoming soiled. The founts are equally serviceable for young chicks, adult fowls or pigeons. Made from best galvanized iron, and first-class in every respect.



Price { 1-gal. size, 50c. each.
2-gal. size, 75c. each.

Felkner Fountain

A heavy galvanized fountain made in two parts. Positively will not burst when frozen. Easily cleaned by removing the bottom.



The fowls cannot cut their combs when drinking. Can be hung up on a nail or hook out of the dirt.

Price
2-gal. size - 85c.
1-gal. size - 65c.
1-quart size - 30c.

Pigeon Drinking Fountain

Pigeon fanciers need a large, strong fountain with ample capacity. We have had one made which "fills the bill." The pan is 15 inches in diameter and 3 inches deep, of heavy galvanized iron.

Price, each, - - - - - \$2.00.

Earthen Pigeon Nests

Of red clay, with heavy bottom, therefore not easily upset.

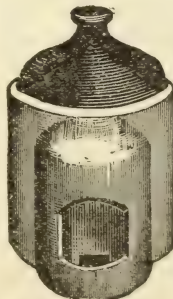
Price, 8-inch, each, 10c.; dozen, \$1; per 100, \$7.00.
9-in., each, 10c.; dozen, \$1.15; per 100, \$8.00.

Pigeon Nest Bowls

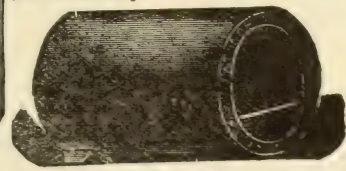
Wooden, 10c. each; 85c. per dozen.

Stoneware Drinking Fountains

Stoneware fountains keep the water cooler in summer. They are not suitable however to use outdoors in winter, as they sometimes burst from freezing. Of our many styles of stone fountains, we illustrate two only.

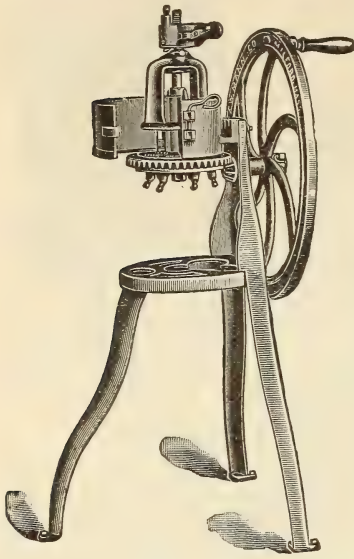


"Baltimore" Fount.



"Ohio" Fount.

"Ohio"	{ 2 quarts, 25c. each; \$2.50 per dozen.
	{ 4 " 35c. " 3.50 "
	{ 8 " 50c. " 4.50 "
	{ 1 " 25c. " 2.50 "
"Baltimore"	{ 2 " 30c. " 3.00 "
	{ 4 " 40c. " 4.00 "
	{ 8 " 65c. " 7.00 "
	{ 1 " 25c. " 2.50 "

MANN'S GREEN BONE CUTTERS

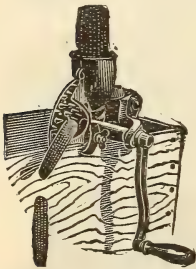
No. 7. Mann's Green Bone Cutter
Price - - - \$12.00

while cutting bone, within one year of date of purchase, provided purchaser pays the express charges on the broken part.

We will not in any case fail to do this. This means that we know the Mann Bone Cutter stands up to business and has no weak points. A customer who purchases a Mann Bone Cutter is accordingly assured of a first-class article.

Price List

No. C, with crank handle, - - -	\$ 6.00
No. B, with balance wheel, - - -	8.00
No. B. M., with balance wheel mounted on iron stand, - - -	10.40
No. 7, see illustration, - - -	12.00
No. 9, - - -	18.40
No. 11, hand and power, - - -	26.00
No. 12, power machine, - - -	30.00

RED CHIEF CORN SHELLER

Can be set to shell any corn that grows.

The power gained by using ball bearings makes it run very easy and saves the expense of a heavy balance wheel.

By an ingenious arrangement the machine can be fastened to any box or plank in a half minute. A single thumbscrew strap holds it securely in place. No bolts or screws required and no

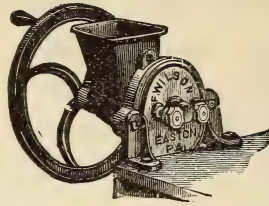
holes to be bored.

No corn sheller can be purchased which contains so many points of superiority and elegance at anything like the price of this wonderful new machine. It is guaranteed to do the work satisfactorily.

Price - - - \$2.00

Invincible Corn Sheller

Separates the cob and cleans the corn. Price, \$8.00.

DRY BONE AND SHELL MILL

Dry Bone and Shell Mill

reach of every poultryman.

Price, without stand, weight, 33 lbs., \$4.50; with stand, weight, 64 lbs., \$6.50.

THE STOVER MILL

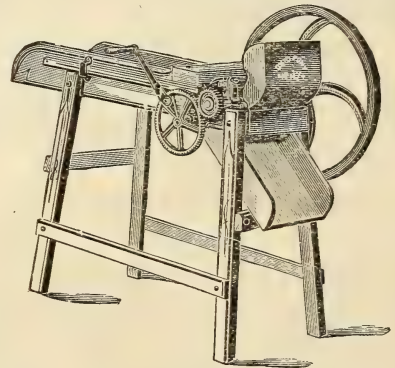
In this mill are embodied all the good features of other hand grinding mills to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout

and of excellent finish; has a 16-inch fly wheel and is light running.

The capacity of this mill is not equalled by any other of the same size.

Shipping weight, 40 lbs. Capacity, 1 or 2 bushels per hour.

Price - - - \$4.00

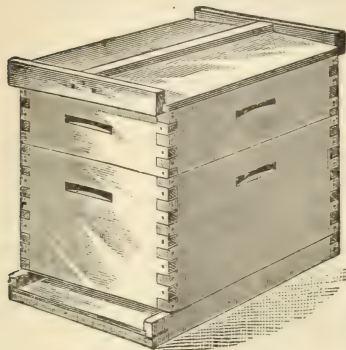
OHIO HAY AND FEED CUTTER

A substantially built machine for cutting Hay, Straw and Corn Fodder. Price \$12.00

BANNER LEVER HAY CUTTER

The best value in the market. Price \$3.50
Power Hay and Straw Cutters quoted on request.

BEE HIVES



The Dove-tailed Hive is taking the lead of the single-walled hives, as it contains many of the most desirable features of the various hives for rapid handling of bees, and is one of the cheapest hives manufactured.

It is dove-tailed together, as shown in cut, and that is what gives it its name.

	Each set up.	Each in flat.	Per 5 in flat.
No. 1. Dovetailed Hives, eight frame, all parts complete ...	\$3 95	\$2 75	\$12 30
No. 2. Dovetailed Hives, ten frame, all parts complete	5 35	3 90	13 20
No. 5. Dovetailed Hives, eight frame, all parts complete ...	3 90	2 90	12 80

DOVETAILED SUPER

With plain section and fence

Each, complete, \$1.25, nailed; 95c, in flat

SECTION BOXES

No. 1. Made up of the choicest white basswood, perfect in finish and free from defects.

Price, per 25, 30c; per 100, 85c; per 1000, \$5.75.

Write for special price on large quantities.

No. 2. Made of basswood, but not finished as perfectly as the No. 1.

Price, per 100, 65c; per 1000, \$4.50.

Hoffman Frames, thick top, self-spacing, put up, \$6.00 per 100; in flat, \$3.50 per 100.

We carry all Working Parts for Hives.

Write for prices.

COMB FOUNDATION

Made from pure bright yellow beeswax. Price, Medium Brood, 62c per lb.; Light Super, 65c per lb.; Thin Super, 72c per lb.

If by mail, add 10c per lb. for postage.

PAPER EGG BOXES

For carrying 1 dozen eggs. 25c per dozen; 75c per 100; \$7.00 per 1000. (1000 lots printed with name free of charge).

LEVER HAY CUTTERS

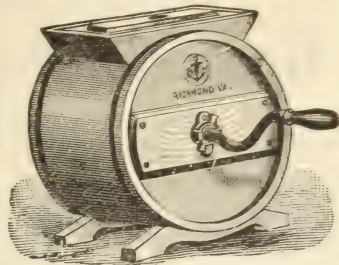
For use on a small scale. Gauges regulate the length of cut. Price, \$3.50.

We carry a full stock of A. I. Root's Bee Keeper's and other Supplies. Write us about your needs.

IMPROVED CEDAR CYLINDER CHURNS

Double Dasher. Thumb-Screw Lock

This cut represents the White Cedar Cylinder Churn. It is made with a double dasher and the crank is locked to the Churn with a clamp and thumbscrew, which prevents leakage—lock cannot break. The top is large and the dasher easily removed. The hoops are of galvanized iron and will not rust. It is absolutely the most popular and best low-priced Churn on the market.



CYLINDER CHURN

No. 1—3 Gallons, each, \$2.00 No. 3—7 Gallons, each, \$3.00
No. 2—4 Gallons, each, 2.50 No. 4-10 Gallons, each, 3.50

THERMOMETERS

Floating Glass Dairy, each, 15c and \$0 25
Hot Bed or Mushroom Bed, with brass end 1 50
Incubator Thermometers, each..... 75
Brooder Thermometers, each..... 60

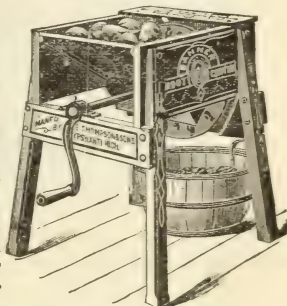
BANNER ROOT CUTTERS

No. 7. Small machine for cutting fine; very useful. \$5.

No. 20. Hand Machine. \$9.00.

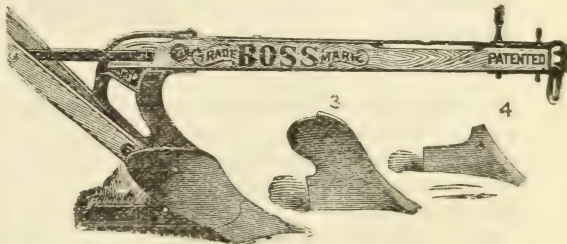
No. 15. Hand and Power. Has Band Wheel for light power. \$10.00.

No. 28. Improved machine for hand and power. Fine for large users. Send for circular. Without pulley, \$15.00; with pulley, \$16.00.



BANNER ROOT CUTTER, No. 20. Capacity 30 to 50 bush. per hour. Price, \$9.00.

The Market Gardener's "Boss" Plow



MARKET GARDENER'S "BOSS." The best one-horse plow.

This plow is fitted with three moldboards, one very small for loosening up root crops, and two larger ones. Also a very large double moldboard for ridging and furrowing.

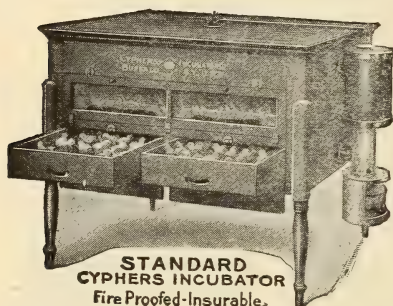
Price, with three moldboards and one extra share \$5 00
Double moldboard extra 1 50
Extra shares, 30c each; landslides, 40c each.

We carry a large line of Iron Age and Planet Jr. Farm and Garden Tools. See page 96 and third cover.

WE ARE SOLE PHILADELPHIA AGENTS FOR Genuine Standard Cyphers Incubators

(FIRE-PROOFED—INSURABLE)

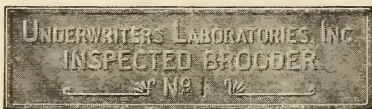
THE CYPHERS INCUBATOR is manufactured by the Cyphers Incubator Company, Buffalo, N. Y. It is a superior machine. It has been proved best by test, and has been adopted by more Government Experiment Stations, more leading Agricultural Colleges, more well-known fanciers and practical poultrymen than all other makes combined. What is more to the point, it gives the average person, and is sure to give you, hatch after hatch, big percentages of bright, strong, healthy chicks.



The Cyphers Incubator has been on the market over sixteen years, has been improved and brought to an extremely high state of perfection. The use of this machine will mean to you—as it means to day to thousands of satisfied Cyphers customers—assurance of big, strong hatches; labor and attention reduced to a minimum, and no more worry about the outcome of your hatches. And you can depend on this every hatch, every year, and year after year.

TO OWN A CYPHERS is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the **BEST HATCHER** of large, vigorous, livable chicks. It is positively guaranteed to **outhatch** any other make of incubator under widely-varying conditions, season after season, and to last ten years without repairs.

Form of brass label to be found (in serial numbers) on every Standard Cyphers Incubator. All sizes.



**Demand This
LABEL—
Your Safety**

THE PRINCIPLES OF CONSTRUCTION that have made Cyphers Incubators “the world’s standard hatchers” for the last twelve to sixteen years remain unchanged in the 1914 pattern. Their patented features, their entire freedom from the bothers, disappointments and losses common to the “cheap” or “bargain” incubator, make these high-class machines the best for you to own first, last and all the time. They are used with unequalled success in all parts of the civilized world, under every practical condition by men and women in all walks of life. They are **MONEY SAVERS** and **MONEY MAKERS** for poultry raisers who “mean business”—for men and women who want a real incubator with which to get out of poultry keeping all the profit and all the pleasure there is in it.

EVERY STANDARD CYPHERS INCUBATOR IS GUARANTEED by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial and we hereby place our guarantee back of theirs. In buying a Cyphers you take no chances. Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work.

Sizes and Prices of Cyphers Fire-proofed Incubators

No. 0.	Holds 70 hen eggs	-	\$15.00	No. 2.	Holds 244 hen eggs	-	\$32.00
“ 1.	“ 144 “ “	-	22.00	“ 3.	“ 390 “ “	-	38.00

JOHNSON SEED COMPANY

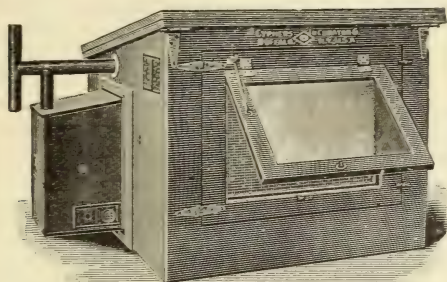
ARE SOLE PHILADELPHIA AGENTS FOR

Standard Cyphers Combination Brooders AND COLONY ROOSTING COOPS

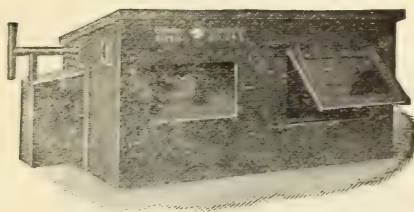
The **Standard Cyphers Brooders** are not only fire-proofed and insurable, but are most durable, most convenient and most efficient indoor and outdoor brooders thus far invented and placed on the market. They are equipped with the same type of high-grade thermostat as used on the Standard Cyphers Incubator—you can therefore depend upon an even, steady temperature in the hover, and a lively, thrifty, growing lot of chicks.

These Cyphers 1915 Brooders, all sizes and styles, are self-regulating, self-ventilating and varmint-proof.

The outdoor styles are usable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.



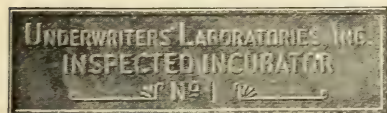
STYLE A OUTDOOR BROODER
Fire-proof and Insurable



STYLE B OUTDOOR BROODER

(Three apartments. Safest and most popular "Foster Mother" ever designed.)

THIS DOUBLE USE of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night, and saves the buying of a coop for them. These outdoor brooders, on account of their fire-proof construction, can be used indoors,



DEMAND THIS LABEL—YOUR SAFETY.

Form of Brass Label to be found (in Serial number) on every Cyphers Brooder.
ALL SIZES.

ADAPTABLE HOVER. This machinery-made, all metal, guaranteed fire-proof heating and brooding device is **suitable to be used anywhere** that heat is required for brooding chicks or ducklings. It can be used in a roosting coop, colony house, shed, hen house, barn or other building with or without any additional enclosure for the chicks, or in a large goods case, or organ or piano box.

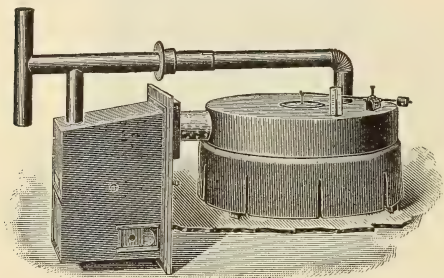
Prices for 1915

Style A, Two-apartment Outdoor Brooder, capacity 75 chicks	.....	\$13 50
Style B, Three-apartment " " " 100 "	.....	17 50
Style C, " " " 100 "	.....	19 00
Style D, " Indoor " 75 "	.....	13 00

WORLD'S CHALLENGE ADAPTABLE HOVER AND BROODER HEATER

Fire-proofed, Insurable, Self Regulating and Self-Ventilating

The Adaptable Hover that we employ in regulating the latest-pattern Standard Cyphers Incubators, and the fresh air, which is drawn automatically into the hover space for use of the chicks, is **WARMED** before it reaches them, and no draft from the source of heat can possibly get under the hover. It should be noted that the Cyphers Company's Adaptable Hover is self-regulating and self-ventilating as a separate device irrespective of the brooder case or other enclosure in which it is used. It is the temperature underneath the hover that is regulated, and pure, warmed air is delivered to this point from the fresh-air chamber, regardless of other conditions.



ADAPTABLE HOVER

(Self-regulating and bears Insurance Label as separate device).

Shows side view of combined Fire-proof Heater and Standard Adaptable Hover, ready for use. Device can be mounted; that is, joined together, in less than thirty seconds' time. When uncrated will be found to consist of five pieces (not including regulator arm, regulator disc and thermometer), as follows: Heater compartment, hover, two sections of waste-heat pipe and T-fume vent and windbreak.

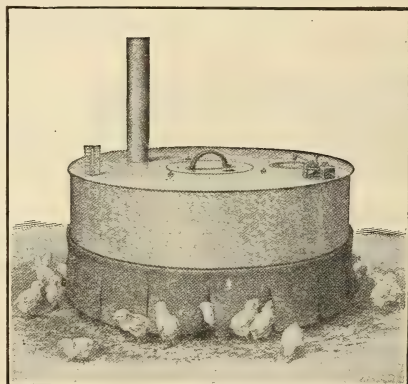
FOR TWENTY YEARS manufacturers of incubators and brooders, not alone in the United States, but also in leading European countries, have been seeking to develop a practical type of self-regulating and self-ventilating brooders. Their wish has been to place these devices on a par with the best incubators in use. The Cyphers Company for years worked faithfully at this problem, but did not meet with real success until it invented the Adaptable Hover.

WE HAD LONG BELIEVED that brooders, to be entirely practical, should be automatic in regulation and self-ventilating, especially at

night. As at present equipped with our Adaptable Hover, every lamp-heated brooder manufactured and sold by us is **both self-regulating and self-ventilating**. The same high-grade zinc and steel thermostat is used on self-regulating and self-ventilating.

LAMP FLAME WILL NOT BLOW OUT AND DOES NOT SUCK OUT

REMARKABLE AS IT MAY SEEM, this hover is so constructed that it could actually be used out of doors without the protection of a case or other enclosure and the lamp would not blow out. This favorable condition arises from the fact that there is **no connection whatever** in the form of an air passage between the lamp chamber and the space underneath the hover; therefore, fumes from the lamp cannot possibly reach the space where the chicks sleep, nor can the action of the air on the interior of a brooder case, colony coop, portable house or other enclosure affect the flame of the lamp in the slightest degree. It is on this account that the lamp chamber can be opened at **any time**, in any location, for filling the bowl, trimming the wick or adjusting the flame, and the blaze **positively will not suck out**, regardless of whether the doors, windows or chick exit to the brooder case, roosting, or poultry house are opened.



PORTABLE HOVER

Movable—can be changed to a new spot or location at any time by simply picking it up.

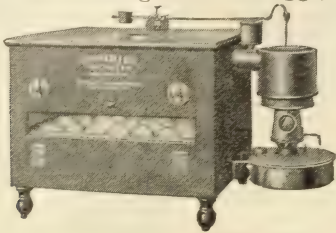
PRICE OF HOVERS

Adaptable Hover, capacity 75 chicks....\$8 50
Portable Hover, capacity 75 chicks..... 8 50

Manufactured by CYPHERS INCUBATOR COMPANY, BUFFALO, N.Y.

Superior Hot-Water Incubators

Are made in two sizes, as illustrated on this page. Pictures are from photographs and show machines just as they are. The smaller size holds 65 average-size hen eggs, and the



SMALL-SIZE SUPERIOR

Capacity, 65 Eggs. Price, Complete, \$10.00

LARGE-SIZE SUPERIOR

Capacity, 130 Eggs. Price, Complete, \$14.00

larger machine holds 130 average-sized eggs. Will hatch duck eggs as well as hen eggs, having ample range of ventilation.

Short, rubber-tipped legs are supplied with the small SUPERIOR, so it can be placed on varnished surfaces without marring same. The large SUPERIOR has legs of the ordinary length, which brings the door to the egg chamber waist-high, for convenient use.

The cases of these incubators are of three-ply, veneered wood, the middle layer running cross-wise of the other two, and the three thicknesses are solidly cemented (not glued) so they cannot warp, crack, or split under the action of heat and moisture.

The finish of the SUPERIORS is a golden brown, showing the natural grain of the wood, and the trimmings (hinges, buttons, etc.) are of brass, which gives these machines a truly attractive appearance.

Walls are double with a warm-air space between for protection of the hatching chamber and forming part of the system of automatic ventilation. Inner walls are of composition board that is treated in a manner that makes it non-absorbent of moisture.

Boiler at end of each SUPERIOR is of heavy-weight polished copper and so is the tubular tank which leads therefrom and circles the upper part of the hatching chamber, first passing along the front, above the door, then crossing over and returning to the boiler along the rear wall, thus heating first the more exposed side of the chamber and at the same time producing a forced circulation of air.

Columbia Hot-Air Incubators

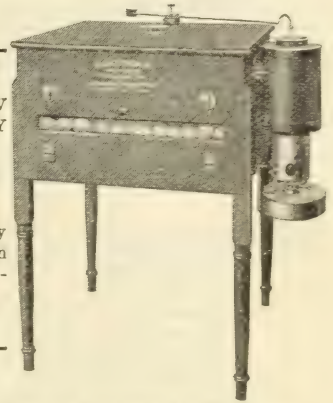
Are made in two sizes—see illustrations on this page, made from photographs. The smaller size holds 140 average-sized hen eggs, and the larger machine holds 250 average-sized eggs. Are warranted to hatch duck eggs as well as hen eggs.

The cases of these incubators are of three-ply veneered wood, the middle layer running cross-wise of the other two and three thicknesses are solidly cemented (not glued) so they cannot warp, crack or split under the action of heat and moisture.

The finish of these highly attractive machines is Flemish green, and the trimmings (hinges, buttons, etc.) are of brass, this combination producing two incubators which are as handsome as any that ever have been manufactured, regardless of price.

Walls are double with a warm-air space between them, which protects the hatching chamber and also forms part of the system of automatic ventilation. Interior walls are of composition board that is treated in a manner which makes it non-absorbent of moisture.

Heater is made throughout without solder, is fume-proof, is well-protected by an asbestos jacket and is metal-capped and metal-banded, to preserve all exposed edges against injury. See illustrations. Is easy to clean and "easy," also, on the oil can.



JOHNSON'S NEW
POULTRY SUPPLY
CATALOGUE IS
COMPLETE AND
FULL OF UP-TO-
DATE SUGGES-
TIONS. We carry
the largest stock in
the East. If inter-
ested, write for it.

SMALL-SIZE COLUMBIA

Capacity, 140 Eggs. Price, Complete, \$15.00

LARGE-SIZE COLUMBIA

Capacity, 250 Eggs. Price, Complete, \$19.00

THOROUGHbred SCOTCH COLLIES

THE MOST FAITHFUL, MOST INTELLIGENT, MOST USEFUL OF DOGS

The King of the canine race. They are the servants of the Shepherd and the Farmer, par excellence, but if any one is in want of a faithful, intelligent, trustworthy servant and companion, let him get a Scotch Collie. There is hardly anything these dogs will not learn, and nothing they will not do. They are most loving and kind.

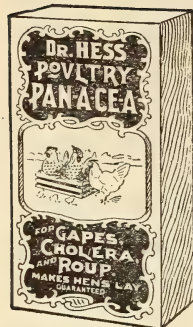
COLOR.—We prefer sable and white, as we think they make the handsomest dogs, but we often have them black and tan and black and white.

BREEDING.—Our stud dogs and breeding bitches are all pedigreed and registered in the American Kennel stud book, and in their veins runs the bluest of blue blood.

Price of puppies largely depends upon breeding and individual specimens. We can mostly supply males at \$10.00 to \$15.00 each, and females at \$8.00 to \$10.00 each; \$17.00 to \$25.00 a pair.

FAMOUS EGG PRODUCERS

Don't Blame the Hen When Eggs Are High
Poultry Foods and Remedies



Dr. Hess Poultry Pan-a-ce-a

The greatest known poultry tonic and egg producer for chickens, turkeys, ducks and geese. It tones up the dormant egg organs, overcomes the debilitating influence of moulting and compels every hen to put her share of eggs into the market basket. It cures Gages, Cholera, Indigestion and the like. Is a constitutional remedy for Roup.

SOLD UNDER A WRITTEN
GUARANTEE

1 1/2 lb. package	Price, \$	.25
5 lb. package	"	.60
12 lb. package	"	1.25
25 lb. bucket	"	2.50



MICA CRYSTAL GRIT

Clean, Sharp and Cheap

5 lbs.,	10c.	25 lbs.,	35c.
10 lbs.,	20c.	100 lbs.,	85c.

Pratt's POULTRY REGULATOR

(For 35 years called
Pratt's Poultry Food.)

Pratt's Poultry Regulator will make hens lay all the year, and is excellent for feeding all year round. Pkgs., 25c., 60c., \$1.25.

JOHNSON'S "VIGOR"

CHARCOAL (GRANULATED)

Charcoal is a necessity in the poultry yard. Mixed with soft feed in the morning, once or twice a week. It is an excellent corrective for the fowls and keeps them healthy.

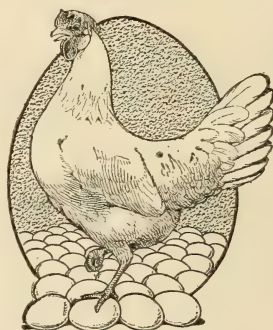
Price

2-lb. cartons,	10c.
10 lbs. - - -	45c.
25 lbs. - - -	75c.
100 lbs. - -	\$2.25

CRUSHED OYSTER SHELL

This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. It is advisable to keep it before them during the entire year, as experience has proven that they will eat it in the middle of summer. Our shell is made entirely of OYSTER SHELL, NOT CLAM, as much of that is offered, and is thoroughly screened from all dust and dirt.

5-lb. carton,	10c;	25 lbs.,	35c
50 lbs.,	50c;	100-lb. sack,	75c



Colburn's PURE Poultry Mustard PRICES

1 1/2 lbs. Wood Boxes. Full Weight.....	per lb. 22c
3 lbs. Wood Boxes. Full Weight.....	per lb. 20 1/2c
5 lbs. Wood Boxes. Full Weight.....	per lb. 20c
10 lbs. Wood Boxes. Full Weight.....	per lb. 19 1/2c

CYPHERS POULTRY FOODS. Genuine Sealed Bags

	5-LB. BAG	10-LB. BAG	25-LB. BAG	50-LB. BAG	100-LB. BAG
Cyphers Laying Food.....	\$0 25	\$0 45	\$0 90	\$1 50	\$2 75
" Scratching Food.....	25	45	90	1 75	3 00
" Chick Food.....	25	45	95	1 75	3 25
" Forcing Food.....	25	45	90	1 75	3 00
" Developing Food.....	25	45	90	1 75	3 00
" Short Green Cut Alfalfa.....	30	50	90	1 50	2 75
" Shredded Alfalfa.....	30	50	90	1 60	2 90
" Mealed Alfalfa.....	30	50	90	1 75	3 00

Cyphers Full Nest Egg Food, 2-lb. pkg., 25c.; pail, 25 lbs., \$2.00. Lice Powder, 5-oz. pkg., 10c.; 15-oz. pkg., 25c.; 48-oz. box, 50c.; 100 ozs., \$1.00. Roup Remedy, small pkg., 25c.; medium, 50c.; large, \$1.00. Lice Liquid, 1-qt. can, 35c.; 2-qt., 60c.; 1-gal., \$1.00.

JOHNSON'S ORIGINAL VIGOR FOODS

Johnson's Genuine Vigor Brands are those of our own preparation, under our original formulas, and cannot be excelled, being pure grain mixtures manufactured from sound, sweet and wholesome grains of the very best quality.

	5-LB. BAG	10-LB. BAG	25-LB. BAG	50-LB. BAG	100-LB. BAG
Johnson's Vigor Ground Beef Scrap.....	\$0 25	\$0 40	\$0 90	\$1 75	\$3 25
" Vigor Egg Food.....	20	45	85	1 40	2 50
" Vigor Scratch Food.....	20	45	85	1 40	2 50
" S. C. " ".....	20	35	70	1 10	2 25
" Vigor Chick Food.....	20	50	95	1 75	3 00
" Vigor Pigeon Food.....	20	50	1 00	2 00	3 50
" Short Cut Clover Hay.....	20	45	85	1 50	2 75
" Mica Crystal Grit.....	10	20	30	45	85
" Crushed Oyster Shell.....	10	20	30	40	75

Lice Powder, pkg., 25c., 50c., \$1.00. Lee's Lice Liquid, 1 qt., 35c.; 2 qts., 60c.; 1 gal., \$1.00. Lambert's Death to Lice Powder, pkg., 10c., 25c., 50c., \$1.00. Conkey's Roup Remedy, small pkg., 25c.; pkg., 50c.; large pkg., \$1.00. Conkey's Cholera Remedy, 25c. pkg.; 50c. pkg. Charcoal, coarse, fine, medium, 2-lb. pkg., 10c.; 100 lbs., \$2.50.

INSECTICIDES

Spray Your Fruit Trees
They Need It

FOR SAN JOSE SCALE USE "TARGET BRAND" SCALE DESTROYER

This is composed of a non-penetrating oil combined with resin. It is thoroughly soluble in water, and will not separate, nor does it need to be agitated while spraying. It can even be mixed a day or two before being used, and allowed to be stored in the spray tank or other vessels without separation.

It is beyond a doubt the cheapest, easiest to prepare, and the most reliable spray for fruit orchards.

It coats the tree with a thin film, killing the scale by suffocation and not by penetration, as in the latter process the tree suffers. It can be used as a preventive as well as a cure.

Directions accompany each package.

Write for circular and testimonials.

Price, 1 qt., 35c.; $\frac{1}{2}$ gal., 65c.; 1 gal., \$1.00; 5 gals., \$3.75; 10 gals., \$7.50.



BUG DEATH does away with the bother of continually "dousing" the vines and plants, which is a necessity with arsenical poisons. It raises crops, the pride of their owner. It is real genuine *Crop Insurance*.

PRICES

1-pound package.....	\$0 15
3-pound package.....	40
5-pound package.....	60



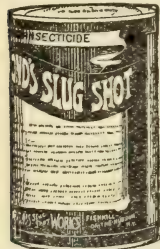
Pat. Mar. 16 & Nov. 9, 1897

HELLEBORE, POWDERED WHITE. For the destruction of slugs, worms, caterpillars, etc. Price, 25c. per lb., or by mail, 35c.

SLUG SHOT. For bugs and blight. Especially good for potato bugs. 5-lb. pkg., 30c.; 100 lbs., \$5.00.

PARIS GREEN. A poisonous, insoluble powder for preventing the ravages of potato bugs, worms, caterpillars, etc. Price, per lb., 35c.; 5-lb. can, \$1.60.

WHALE OIL SOAP. For washing trees and for insects on tender plants. 1-lb. box, 15c.; 5 lbs., 10c. per lb.



LIME AND SULPHUR SOLUTION. For San Jose Scale. 1 qt. can, 35c.; 2 qt. can, 60c.; 1 gallon can, 90c.

PERSIAN INSECT POWDER. $\frac{1}{4}$ lb., 10c.; 1 lb., 30c.

SULPHUR FOR MILDEW. Lb., 7c.; 5 lbs., 30c.; 25 lbs., \$1.25.

ROSE LEAF EXTRACT OF TOBACCO. Pt., 25c.; qt., 50c.; gal., \$1.25.

SULPHO TOBACCO SOAP. A universal insecticide. 10c. and 25c. per package.

SHOO FLY. Keeps the flies from horses and cattle. Per qt., 35c.; per gal., \$1.00.

FLY DRIVER. For use on horses and cattle. 1 qt., 60c.; 2 qts., \$1.00.

TOBACCO DUST. Pure ground tobacco (not ground stems). Per lb., 5c.; per 100 lbs., \$2.50.

TOBACCO STEMS. Per bale of about 200 lbs., \$1.50.



STERLINGWORTH WEED KILLER. A dry powder to be dissolved in water. May be applied with an ordinary watering can. Most satisfactory; completely destroys all weeds and objectionable vegetable growths. Prices: 1-lb. package, makes 15 gallons, 60c.; 3-lb. package, makes 45 gallons, \$1.25; 5-lb. package, makes 75 gallons, \$2.00.

FERTILIZERS

Write for Special Prices in Quantity

ASHES (Canada Unleached Hardwood). Indispensable as a lawn dressing, or to apply to orchards. They should be applied late in fall or early in spring, so that the rains and snows may leach the ashes and carry the elements down to the roots of grass or trees. Apply about 1000 lbs. to the acre. Per 100 lbs., \$1.50; bbl., \$2.50.

GROUND BONE. Animal bones furnish the soil with the essential requisite of nitrogen as well as phosphoric acid. The most substantial fertilizer for lawns and plants. Feeds the soil for fully ten months after application. 5-lb. bag, 25c.; 25 lbs., 75c.; 100 lbs., \$2.00; sack of 200 lbs., \$3.50.

BONE FLOUR. Ground very fine; excellent for pot plants or beds where an immediate effect is wanted. 5 lbs., 30c.; 25 lbs., 90c.; 100 lbs., \$2.75; bag of 200 lbs., \$5.00.

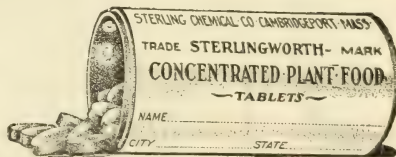
No. 1.—BONE PHOSPHATE. The leading ammoniated phosphate and the best for general purposes. In making new lawns or golf links this is the best fertilizer for immediate effect. 100 lbs., \$1.75; 200-lb. bag, \$2.75.

GILT-EDGED POTATO MANURE. Made expressly for white and sweet potatoes and tobacco. Keeps tubers clean and smooth. Per 200-lb. bag, \$3.50.

KAINIT (German Potash Salt). Most useful for making "Commercial" fertilizers, or can be used alone. If used on lawns it should be spread during winter. 100 lbs., \$1.25; 200 lbs., \$2.40.

LAND PLASTER. 200-lb. bag, \$1.50.

LAWN DRESSING (Odorless). A scientific food for lawns. Guaranteed. 10 lbs., 40c.; 25-lb. bag, \$1.00; 50-lb. bag, \$1.75; 100-lb. bag, \$3.00.



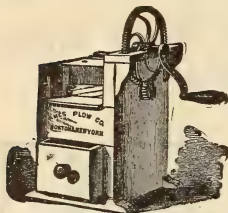
STERLINGWORTH PLANT FOOD TABLETS. Contain nitrogen, ammonia, phosphoric acid and potash. A new, scientific, odorless, concentrated fertilizer for potted plants. If your house plants are not doing well they need these tablets. Trial size, 10c. postpaid, large size, 25c., postpaid.

POUDRETTE. Lb., 10c. (26c. by mail); 5 lbs., 20c.; 10 lbs., 35c.; 25 lbs., 60c.; 50 lbs., \$1.00; 100 lbs., \$1.50; 200-lb. sack, \$2.50; 500 lbs., \$5.00; 1,000 lbs., \$8.00; ton, \$15.00.

SALT (Agricultural.) For top-dressing asparagus beds. 200 lbs., \$1.50.

SHEEP MANURE (Pulverized). A pure natural manure and a most nutritious food for young plants. As a lawn top-dressing it is unequalled. 5-lb. package, 25c.; 10 lbs. 40c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

TOBACCO STEMS. A fertilizer and insecticide combined. Bbl., \$1.00; bale of about 200 lbs., \$1.50.



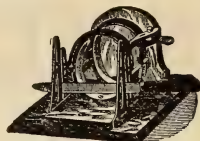
HORSE RADISH GRATER.



LAWN MOWERS.



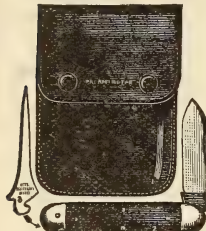
CYLINDER CHURN.



ACME ASPARAGUS BUNCHER.



PRUNING KNIFE—STAG HANDLE.



NAPANOCH TOOL KIT.



GARDEN REEL.



STEEL TROWEL.



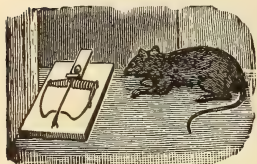
TRANSPLANTING TROWEL.



DIBBLE, IRON HANDLE.



PERFECTION SHEARS.



"OUT O' SIGHT" RAT TRAP.

Garden Tools and Requisites

Asparagus Buncher, "Acme." The best, \$2.00.

Asparagus Knife. Chisel-shaped, 25c.

Bee Hives, Root's, Bee Supplies. Send for special list.

Bone Cutters. For green and dry bone. Send for special list.

Churns. In assortment see page 87.

Cider Mills, "Buckeye." Junior, \$12; medium, \$16; Senior, \$21.

Corn Planters. Automatic, hand, \$1.50.

Corn Shellers, "Red Chief." \$2.00.

"Ohio." Strong and well made. \$8.00.

Corn Shellers, "Ohio." Two hole, \$14. Dibbles. For transplanting. Steel-pointed, wooden or iron handles, 40c., 50c., 60c.

Drills Planet Jr. See page 96.

Drill, Eureka Seed. For hot-bed use and small gardens, \$1.

Egg Cases. See poultry supply catalogue. Free.

Feed Cookers. See poultry supply catalogue. Mailed free.

Floral Tools. 50c. to \$1 per set.

Flower Pots. Write for special prices in large quantities. 2 inches, per dozen, 7c., per 100, 50c.; 3 inches, per dozen, 11c., per 100, 88c.; 4 inches, per dozen, 18c.; per 100, \$1.38; 5 inches, 32c.; per 100, \$2.50; 6 inches, per dozen, 49c.; per 100, \$3.75; 7 inches, per dozen, 78c.; per 100, \$6.00.

Flower Pot Saucers and Bulb Pans. All sizes. Write for quotations.

Neponset Water-Proof Paper Flower Pots. Invaluable to the florist. (Send for special circular.) Prices: 2½-inch, per 1000, \$3.25; 3-inch, per 1000, \$4.50; 3½-inch, per 1000, \$5.60; 4-inch, per 1000, \$7.50.

Forks, Garden. In large assortment.

Garden Lines. 60 ft., 30c.; 90 ft., 60c.; 120 ft., 75c.

Garden Reels. Iron, small, 50c.; galvanized, single, \$1.25; galvanized, double, \$1.75.

Glazing Points, "Peerless." Per 1000, 60c.; 5000 lots, 55c. per 1000.

Harrows. See page 96 and third cover.

Hoes. In large variety.

Horse Hoes—Planet Jr., Iron Age. See page 96 and third cover.

Horseradish Graters. No. 1, \$6; No. 2 (steel pin), \$7.50; No. 3 (steel pin with legs and treadle), \$11.

Hose. Rubber, garden, 8, 10 and 12c. per ft.

Hotbed Mats. Burlap, 40 x 76 in., \$1.10; 76 x 76 in., \$1.50. (Special price by the dozen.)

Hotbed Sash. Without glass, 3 x 6 ft., \$1.50 each; with glass, \$3 each.

Knives. Budding, 20 cts. to \$1; corn, 50 cts., potato, concave and curved, 30 cts.; pruning, 75 cts. to \$1; edging, American, 50 cts.; English, \$1.25.

Labels. For pots, painted, 3½ in., 70c. per 1000; 4-in., 80c. per 1000; 4½ in., 8c. per 1000; 5-in., \$1 per 1000; 6-in., \$1.50 per 1000, 10-in., \$4.50 per 1000.

Labels. For trees, notched, \$1 00. per 1000 iron-wired, \$1.25 per 1000; copper-wired, \$1.50 per 1000.

Lawn Mowers. Ask for prices.

Lawn-Sprinklers. In variety, 75c. to \$3.50.

Mastica. For glazing greenhouses. Per ½ gal. 70c.; per gal. \$1.35.

Mastica Machines. For applying mastica, \$1.25 each.

Plant Bed Cloth, Light. 8c. per yard; piece of 68 yards, 7c. per yard; medium, 12c. per yard; piece of 60 yards, 11c. per yard; Heavy, 15c. per yard; piece of 40 yards, 14c. per yard. Samples on application.

Poultry Supplies. Full and complete stock. See pages 86, 85, 92, this catalogue, and send for our special catalogue.

Presses. Wine and berry. No. 1, \$3; No. 2, \$3.75; No. 3, \$6.

Pruner. Water's Improved Tree, 4 ft., 75c.; 6 ft., 85c.; 8 ft., \$1; 10 ft., \$1.15; 12 ft., \$1.25.

Pumps. See page 84.

Rakes. All styles, sizes and prices, 30c. to \$1.

Raphia. For tying asparagus, etc. Per lb., 15c.; 10 lbs., \$1.25; 100 lbs., \$11. Special price by the bale.

Roofing Materials. See poultry supply catalogue.

Saws. Pruning, 16-in., 75 cts.; 18-in., 90 cts., 20-in., \$1.10.

Scissors. Grape thinning, English, \$1; Fruit and Flower Gatherers, hold after cutting, American, 25 cts.; imported, \$1.

Scythes. American, \$1; American, brush, 90 cts.; English, lawn, riveted back, \$1.25.

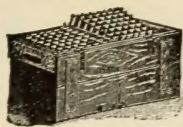
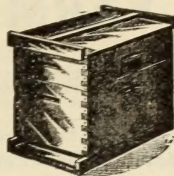
Seed Sowers.

Cahoon. Broadcast, easily regulated, \$3.25.

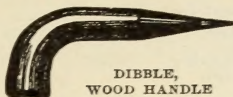
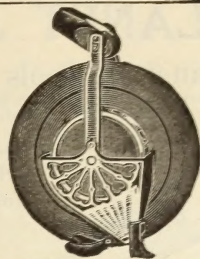
Cyclone. Sows all kinds of grain and grass seed perfectly. The best cheap sower, price, \$1.50.



FLOWER POTS.

EGG CASES
"HUMPTY DUMPTY."

BEE HIVES.

DIBBLE,
WOOD HANDLE

EUREKA SEED DRILL.

Shears. Hedge, \$1.50; Grass Border, \$2; with wheel, \$2.50; Pruning, "Perfect," No. 7, \$1.75; No. 8, \$2; Lopping, long-handled, 75c; Tree Pruning, 6 ft., 85c.; 8 ft., \$1; 10 ft., \$1.15; Sheep, for grass, 50c. and 75c.

Shovels. In variety. 85 cts. to \$1.50.

Sickles, or Grass Hooks. American, 25 cts.; English, riveted back, 50c.

Sieves. 18-in., any mesh, 60 cts.; 20-in., any mesh, 75 cts.

Spades. In variety. 85 cts. to \$1.50.

Sprayers. See page 88.

Thermometers. Tin, japanned, 15 cts.; glass floating for dairy, 15c. and 25c.; hot-bed or mushroom, \$1.50; incubator 50c.; self-register, 2.50. See also page 87.

Tool Kit Napanooh. A good friend and handy article to have in case of accident. Price, \$2.

Trowels. Stamped steel, 10c., 15c. and 20c.; Solid steel, 35c., 40c. and 50c.

Trowel. Transplanting, 35c.

Traps, "Olmsted" (Mole.) The best, \$1.50. "Out-o'-Sight" (Rat), 15c. each; \$1.25 per dozen. "Out-o'-Sight" (Mouse). 10c. each; 25c. for 3; 85c. per dozen.

Twines. Cotton, 30c. lb.; jute, 18c. lb.; flax, 30c. lb.

Watering Pots, Galvanized, short spout, 4-qt., 40c.; 6-qt., 50c.; 8-qt., 65c.; 10-qt., 85c.; 12-qt., \$1; 16-qt., \$1.50. **Tin, painted green,** 1-qt., 20c.; 2-qt., 25c.; 4-qt., 35c.; 6-qt., 45c.; 8-qt., 60c.; 10-qt., 75c.

Watering Pots, Heavy Galvanized Long Spout. 4-qt., \$1.50; 6-qt., \$1.75; 8-qt., \$2; 10-qt., \$2.25; 12-qt., \$2.60.

Water Barrel and Truck. 1½-in. wheels, \$9.25; 2½-in. wheels, \$10; 3½-in. wheels, \$10.75; Large Box to fit on truck, \$3.

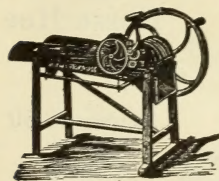
Weeders, "Excelsior," 10c. **Three-Prong,** 15c. **"Laing's,"** 25c. **"Cleveland,"** lawn, 50c.

Wheelbarrows. Wide tread, No. 3, \$3.50; No. 4, \$4; No. 5, \$4.50.

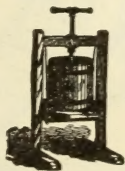
We carry many TOOLS AND REQUISITES not listed here. When in Philadelphia, CALL at 217 Market St. AND INSPECT OUR STOCK.

MARKET GARDENERS' NECESSITIES

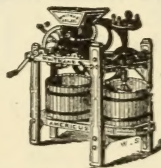
Our stock of these is up-to-date and complete. Write us about your needs, or send for special catalogue.



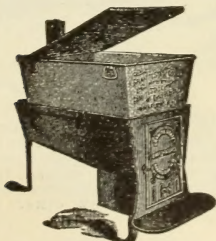
TELEGRAPH HAY CUTTER.



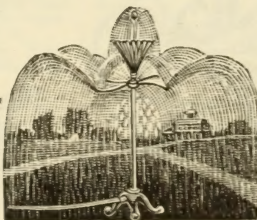
WINE AND BERRY PRESS.



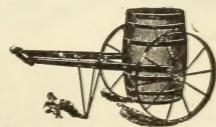
BUCKEYE CIDER MILL.



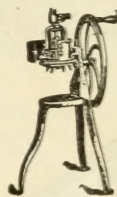
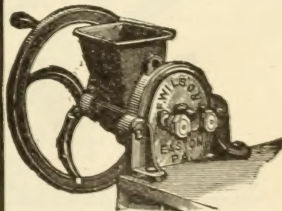
RELIABLE FEED COOKER.



LAWN SPRINKLER.



WATER BARREL AND TRUCK.

GREEN BONE
CUTTERS.EXCELSIOR
WEEDER

DRY BONE AND SHELL MILL.

PLANET JR. FARM AND GARDEN TOOLS

Planet Jr. Tools

enable you to do two days' work in one, easier, cheaper, better, with less fatigue. They pay for themselves in a season. Write today for a free copy of the 1915 Planet Jr. Catalogue, a finely illustrated, instructive handbook. Describes entire Planet Jr. line, including seeders, wheel hoes, hand, one and two horse cultivators, harrows, etc.

No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow

Price complete,
\$10.50

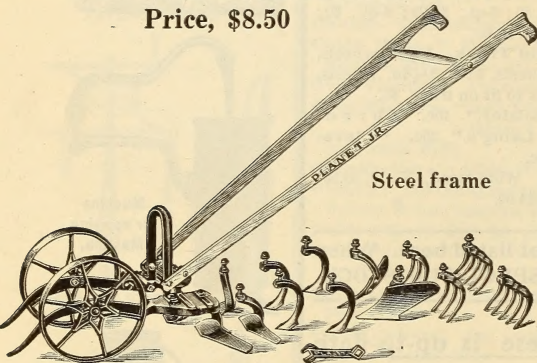
As a drill only,
\$8.50



The Drill is the same as the No. 3 Seeder, but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool.

No. 11 Double Wheel Hoe

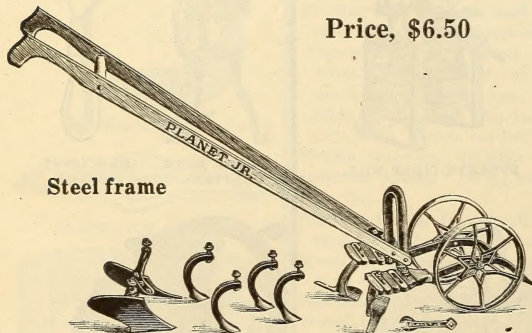
Price, \$8.50



This Wheel Hoe is a famous labor-saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with ease and quickness. The wheels can be set to four different widths and the frame at three heights. The tools are changed without removing a single nut. Nothing like it for onion growers. Has steel frame.

Planet Jr. No. 12 Double Wheel Hoe

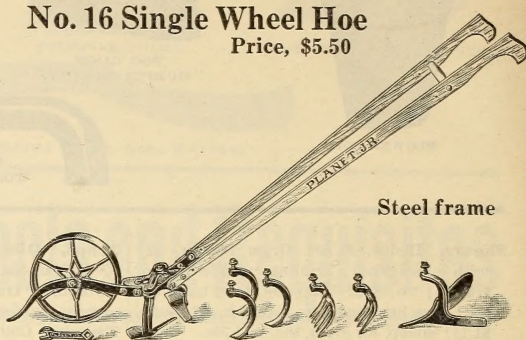
Price, \$6.50



This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments, and is sold at a correspondingly less price. The tools shown and sold with No. 12 are what gardeners use most, and the others can be added as wanted.

No. 16 Single Wheel Hoe

Price, \$5.50

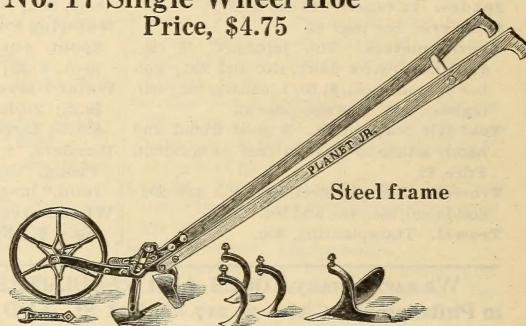


Steel frame

A light, inexpensive and extremely efficient tool. Frame and handles are adjustable, and wheels can be changed to the other side of the frame, when both slides of the row can be hoed at one passage. Has steel frame.

No. 17 Single Wheel Hoe

Price, \$4.75



Steel frame

This tool is identical with No. 16, but has only a pair of 6-inch hoes, a plow and set of cultivator teeth—an outfit sufficient for most garden work. The other attachments can be added at any time.

FIRE-FLY GARDEN PLOW

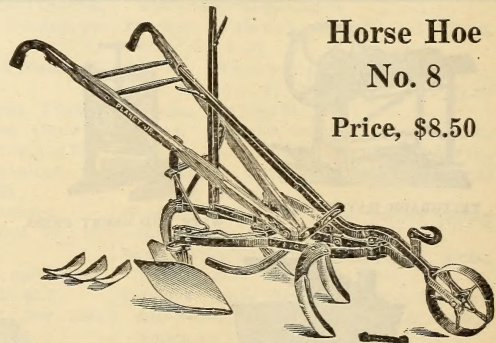
Invaluable for use in small gardens. Moldboard of tempered and polished steel. The depth is easily and quickly changed.

Very useful to plow up chicken yards. Price, \$2.25.

Horse Hoe

No. 8

Price, \$8.50



No. 8 Horse Hoe is a remarkably efficient Cultivator and Hoe, meeting perfectly the many needs for which it is intended. Extra high, stiff steel frame, with interchangeable non-clogging, self-polishing standards. Closes to 9 and opens to 25 inches. Patent depth regulators; adjustable handles; reversible hoes, and many other exclusive features.

IRON AGE

Drills, Wheel Hoes, Cultivators, Horse Hoes, Etc.

Complete "IRON AGE" Catalogue, fully illustrating all these tools, sent free

No. 6 "IRON AGE" COMBINED DOUBLE WHEEL HOE, HILL AND DRILL SEEDER

Price, complete, \$12.00. One of the best implements made. Ten tools in one. Sows in rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Quickly changed into a Double or Single Wheel Hoe, as No. 1 opposite. Does each and every operation in the most satisfactory manner.

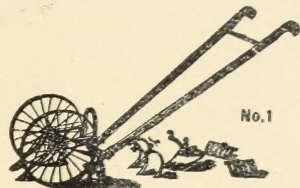


As a Hill and Drill Seeder only (No. 7). Price, \$9.00.

No. 1 "IRON AGE" DOUBLE OR SINGLE WHEEL HOE

Price, complete, \$7.00.

Is equipped with side hoes and plows, slender steel cultivator teeth and a pair of rakes; simplest, strongest and most practical tool of its kind. As a No. 3 (side hoes only), \$4.25.



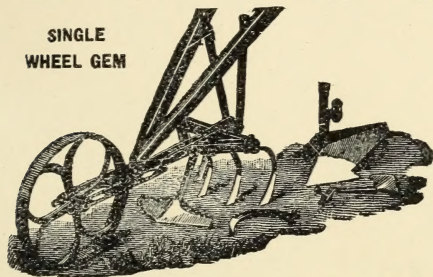
No. 1

THE GEM OF THE GARDEN WHEEL HOE

Popular for its intrinsic worth.

Single Wheel Hoe Price, \$5 00
Double " " " 6 00

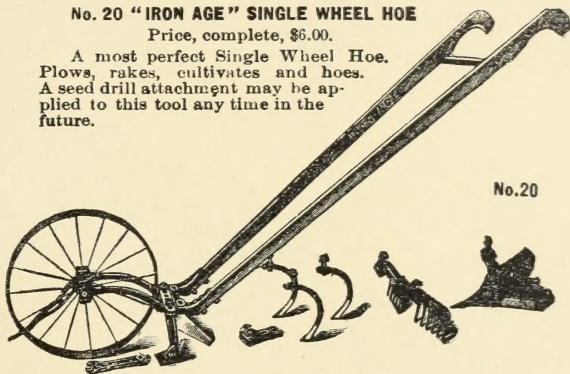
SINGLE WHEEL GEM



No. 20 "IRON AGE" SINGLE WHEEL HOE

Price, complete, \$6.00.

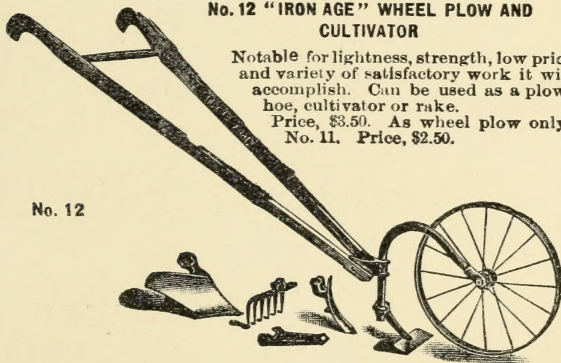
A most perfect Single Wheel Hoe. Plows, rakes, cultivates and hoes. A seed drill attachment may be applied to this tool any time in the future.



No. 20

No. 12 "IRON AGE" WHEEL PLOW AND CULTIVATOR

Notable for lightness, strength, low price and variety of satisfactory work it will accomplish. Can be used as a plow, hoe, cultivator or rake. Price, \$3.50. As wheel plow only. No. 11. Price, \$2.50.



No. 12

NEW MODEL DRILL

We have sold the New Model Drill for years; it always gives satisfaction. It is strongly made, sows any kind of seed with regularity, and is one of the steady reliables.



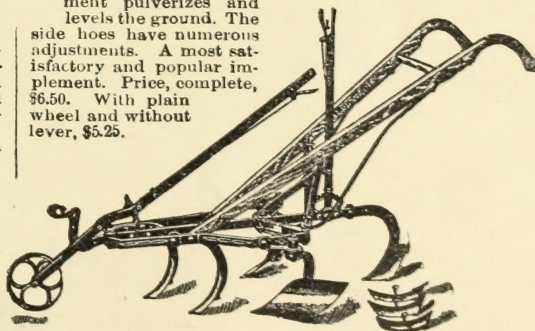
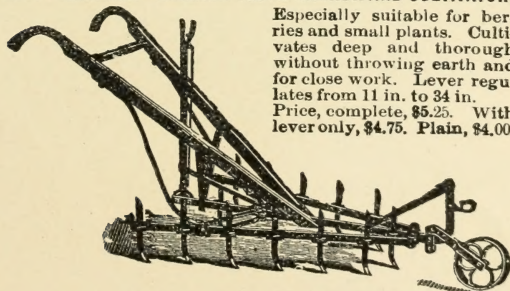
PRICE, \$8.00

No. 6 "IRON AGE" HORSE HOE AND CULTIVATOR

Remarkable for great adjustability. With lever is expanded from 11 in. to 30 in. The wheel regulates the depth. The furrow-closing attachment pulverizes and levels the ground. The side hoes have numerous adjustments. A most satisfactory and popular implement. Price, complete, \$6.50. With plain wheel and without lever, \$5.25.

No. 1 "IRON AGE" DIAMOND TOOTH HARROW AND CULTIVATOR.

Especially suitable for berries and small plants. Cultivates deep and thorough without throwing earth and for close work. Lever regulates from 11 in. to 34 in. Price, complete, \$5.25. With lever only, \$4.75. Plain, \$4.00



JOHNSON SEED CO.

PHILADELPHIA, PA.

